

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 79

DATE: MAY 1, 2015

PROJECT RP0020

The following classification changes will be effected by this Notice of Changes:

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
Symbols newly created:	A01K	89/004
		89/009
		89/01025
		89/01026
		89/01029
		89/0106
		89/01081-89/01088
		89/01121
		89/011221-89/011223
		89/01123-89/01127
		89/0113
		89/01141-89/01143
		89/0118
		89/0121-89/0126
		89/01556
		89/01557
		89/0162
		89/0171-89/0176
		89/0178
		89/0179
		89/018
		89/0181-89/0189
		89/01901-89/01909
		89/0191
		89/01911
		89/01912
		89/019125
		89/01913-89/01919
		89/0192
		89/01921-89/01925
		89/01928
		89/01929
		89/0193
		89/01931
		89/028
		89/029
		89/03
		89/045-89/049
		89/05
		89/051-89/059
		89/081

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<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
Title wording change:	A01K	89/006
		89/01
		89/0102
		89/015
		89/016
		89/027
		89/033
		89/06
Scheme Warning Notices to be added/modified/deleted:	A01K	A01K 89/00
		A01K 89/004
		A01K 89/006
		A01K 89/009
		A01K 89/01
		A01K 89/0102
		A01K 89/01025
		A01K 89/0106
		A01K 89/0108
		A01K 89/01081
		A01K 89/01085
		A01K89/01121
		A01K 89/0113
		A01K 89/0114
		A01K 89/01141
		A01K 89/01142
		A01K 89/0117
		A01K 89/0118
		A01K 89/012
		A01K 89/0121
		A01K 89/0122
		A01K 89/0126
		A01K 89/015
		A01K 89/0155
		A01K 89/01556
		A01K 89/01557
		A01K 89/016
		A01K 89/0162
		A01K 89/017
		A01K 89/0171
		A01K 89/0175
		A01K 89/0178
		A01K 89/0182
		A01K 89/0183
		A01K 89/0192
		A01K 89/01931
		A01K 89/027
		A01K 89/028
		A01K 89/033

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<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
		A01K 89/045
		A01K 89/046
		A01K 89/05
		A01K 89/051
		A01K 89/052
		A01K 89/056
		A01K 89/057
		A01K 89/08
		A01K 89/081

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES
 - A. New, Modified or Deleted Group(s)
 - B. New, Modified or Deleted Warning Notice(s)
 - C. New, Modified or Deleted Note(s)
 - D. New, Modified or Deleted Guidance Heading(s)
2. DEFINITIONS (New or Modified)
 - A. DEFINITIONS (Full definition template)
 - B. DEFINITIONS (Definitions Quick Fix)
3. REVISION CONCORDANCE LIST (RCL)
4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS A01K – TITLE ANIMAL HUSBANDRY; CARE OF BIRDS, FISHES, INSECTS; FISHING; REARING OR BREEDING ANIMALS, NOT OTHERWISE PROVIDED FOR; NEW BREEDS OF ANIMALS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
C	A01K 89/00		Reels (devices for casting lines A01K 91/02)	A01K 89/00 A01K 89/004
U	A01K 89/003	1	{Devices for transferring line to a reel}	
N	A01K 89/004	1	{Alternate right or left side drives}	
C	A01K 89/006	1	{Hand crank features}	A01K 89/006 A01K 89/009
N	A01K 89/009	2	{Collapsible or extensible}	
C	A01K 89/01	1	with pick-up, i.e. with the guiding member rotating and the spool not rotating during normal retrieval of the line (A01K 89/027 takes precedence)	A01K 89/01 A01K 89/0106 A01K 89/01121 A01K 89/011221 A01K 89/011222 A01K 89/011223 A01K 89/01123 A01K 89/01124 A01K 89/01125 A01K 89/01126 A01K 89/01127 A01K 89/0113 A01K 89/0122 A01K 89/0123 A01K 89/0124 A01K 89/0125 A01K 89/0126
C	A01K 89/0102	2	{with a closed face}	A01K 89/0102 A01K 89/01025 A01K 89/01026 A01K 89/01029
N	A01K 89/01025	3	{with line snubber shifted by a remote actuator}	
N	A01K 89/01026	4	{with rotor and snubber shiftable axially }	
N	A01K 89/01029	5	{with guiding members shifted radially}	
U	A01K 89/0105	2	{Multi-speed mechanisms}	
N	A01K 89/0106	2	{Ratchet-type drives}	
C	A01K 89/0108	2	{Pick-up details}	A01K 89/0108 A01K 89/01081

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				A01K 89/01082 A01K 89/01083 A01K 89/01084 A01K 89/01085 A01K 89/01086 A01K 89/01087 A01K 89/01088
N	A01K 89/01081	3	{Guiding members on rotor axially rearward of spool}	
N	A01K 89/01082	4	{Guiding members shiftable on rotor }	
N	A01K 89/01083	5	{to wind position by rotor drive}	
N	A01K 89/01084	6	{Guiding members shifted to unwind position by discrete manual operators}	
N	A01K 89/01085	3	{Guiding members on rotor forward of spool (A01K89/0102 takes precedence)}	
N	A01K 89/01086	4	{with rotor drive shifting the guiding member to unwind and wind positions}	
N	A01K 89/01087	4	{with manual actuator to shift guiding member to unwind position}	
N	A01K 89/01088	5	{Actuators forward of spool}	
U	A01K 89/0111	2	{Spool details}	
N	A01K 89/01121	2	{Frame details}	
N	A01K 89/011221	3	{with line or water shields}	
N	A01K 89/011222	3	{with lubrication features}	
N	A01K 89/011223	3	{with bearing features}	
N	A01K 89/01123	3	{Frame disassembly features}	
N	A01K 89/01124	4	{Hinged frame sections}	
N	A01K 89/01125	4	{Rotated joints}	
N	A01K 89/01126	5	{Threaded}	
N	A01K 89/01127	3	{Reel supports}	
N	A01K 89/0113	2	{Spool locking devices on spool shaft}	
C	A01K 89/0114	2	{Reciprocating mechanisms}	A01K 89/0114 A01K 89/01141 A01K 89/01142 A01K 89/01143
N	A01K 89/01141	3	{including eccentric cams reciprocating the spool}	
N	A01K 89/01142	3	{ for reciprocating the guiding member}	
N	A01K 89/01143	4	{Reversely threaded screws}	
C	A01K 89/0117	2	{Anti-reverse mechanisms}	A01K 89/0117 A01K 89/0118
N	A01K 89/0118	3	{defining home position of reel part}	
C	A01K 89/012	2	motor-driven	A01K 89/012 A01K 89/0121
N	A01K 89/0121	3	{Spring motors}	
N	A01K 89/0122	2	{with unwinding indicators, e.g. bell or	

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			flashing light}	
N	A01K 89/0123	3	{Clicking indicators, e.g. flexible pawl and toothed member}	
N	A01K 89/0124	3	{Spring biased pawls}	
N	A01K 89/0125	4	{Plural spring sections}	
N	A01K 89/0126	2	{with line unwinding limiters}	
C	A01K 89/015	1	with {a} rotary drum {i.e. with a rotating spool} (A01K 89/033 takes precedence)	A01K 89/015 A01K 89/0175 A01K 89/0176 A01K 89/0178 A01K 89/0179 A01K 89/018 A01K 89/0181 A01K 89/0182 A01K 89/0183 A01K 89/0184 A01K 89/0185 A01K 89/0186 A01K 89/0187 A01K 89/0188 A01K 89/0189 A01K 89/01901 A01K 89/01902 A01K 89/01903 A01K 89/01904 A01K 89/01905 A01K 89/01906 A01K 89/01907 A01K 89/01908 A01K 89/01909 A01K 89/0191 A01K 89/01911 A01K 89/01912 A01K 89/019125 A01K 89/01913 A01K 89/01914 A01K 89/01915 A01K 89/01916 A01K 89/01917 A01K 89/01918 A01K 89/01919 A01K 89/0192 A01K 89/01921 A01K 89/01922 A01K 89/01923 A01K 89/01924 A01K 89/01925

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
				A01K 89/01928 A01K 89/01929 A01K 89/0193 A01K 89/01931
C	A01K 89/0155	2	Antibacklash devices	A01K 89/0155 A01K 89/01556 A01K 89/01557
U	A01K 89/01555	3	{using magnets}	
N	A01K 89/01556	3	{Line tension responsive actuators}	
N	A01K 89/01557	3	{Centrifugal}	
C	A01K 89/016	2	Fly reels {i.e. with a stub shaft support}	A01K 89/016 A01K 89/0162
N	A01K 89/0162	3	{with a releasable latch to retain spool on shaft}	
U	A01K 89/0165	2	for trolling	
C	A01K 89/017	2	motor-driven	A01K 89/017 A01K 89/0171 A01K 89/0172 A01K 89/0173 A01K 89/0174
N	A01K 89/0171	3	{Spring motors}	
N	A01K 89/0172	4	{ actuated in response to pull on line}	
N	A01K 89/0173	4	{with independent manual drive}	
N	A01K 89/0174	4	{with spring chargers}	
N	A01K 89/0175	2	{Axial unwinding}	
N	A01K 89/0176	3	{with guide shiftable between wind and unwind positions}	
N	A01K 89/0178	2	{with unwinding indicators, e.g. a bell or a flashing light}	
N	A01K 89/0179	3	{Clicking indicators, e.g. flexible pawl and toothed member}	
N	A01K 89/018	3	{Spring biased pawls}	
N	A01K 89/0181	4	{Plural spring sections}	
N	A01K 89/0182	2	{with line unwinding limiters}	
N	A01K 89/0183	2	{Drive mechanism details}	
N	A01K 89/0184	3	{Multiple drive ratio}	
N	A01K 89/0185	3	{Ratchet-type drive}	
N	A01K 89/0186	3	{with disengageable positive drive components, e.g. a clutch}	
N	A01K 89/0187	4	{having alternative yieldable mechanism}	
N	A01K 89/0188	4	{Axially engaged}	
N	A01K 89/0189	5	{Coaxial of spool}	
N	A01K 89/01901	4	{Reengageable responsive to drive rotation}	
N	A01K 89/01902	4	{Gear pair}	
N	A01K 89/01903	3	{with yieldable drive coupling, e.g. friction}	

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			or fluid clutch}	
N	A01K 89/01904	4	{adjustable by crank manipulation}	
N	A01K 89/01905	5	{adjustable within distinct ranges}	
N	A01K 89/01906	4	{between drive shaft and crank}	
N	A01K 89/01907	4	{between drive shaft and gear}	
N	A01K 89/01908	4	{Coaxial with spool}	
N	A01K 89/01909	5	{Axially applied}	
N	A01K 89/0191	6	{by centre pin}	
N	A01K 89/01911	3	{with feed roller}	
N	A01K 89/01912	3	{with level winding}	
N	A01K 89/019125	4	{Line shifts along a rotatable cam bar}	
N	A01K 89/01913	4	{Line traction guide wheels}	
N	A01K 89/01914	4	{Manually shifted guides}	
N	A01K 89/01915	4	{the drive mechanism oscillating the guide}	
N	A01K 89/01916	4	{the drive mechanism reciprocating the guide}	
N	A01K 89/01917	5	{Reversely threaded screw}	
N	A01K 89/01918	6	{Guide shiftable between wind and unwind positions}	
N	A01K 89/01919	6	{Guide having line removal opening}	
N	A01K 89/0192	2	{Frame details}	
N	A01K 89/01921	3	{Frame disassembly features}	
N	A01K 89/01922	4	{Hinged frame sections}	
N	A01K 89/01923	4	{Rotated joints}	
N	A01K 89/01924	5	{Threaded}	
N	A01K 89/01925	3	{Reel supports, e.g. reel feet}	
N	A01K 89/01928	3	{with line or water shields}	
N	A01K 89/01929	3	{with lubrication features}	
N	A01K 89/0193	3	{with bearing features}	
N	A01K 89/01931	2	{Spool or spool shaft details (spool details in reel with pick-up A01K 89/0111)}	
U	A01K 89/02	1	Brake devices for reel	
C	A01K 89/027	2	with pick-up {i.e. for reels with the guiding member rotating and the spool not rotating during normal retrieval of the line}	A01K 89/027 A01K 89/028 A01K 89/029 A01K 89/03
U	A01K 89/0275	3	{with closed face}	
N	A01K 89/028	3	{Continuously applied (for closed face reels A01K89/0275)}	
N	A01K 89/029	4	{between spool shaft and frame}	
N	A01K 89/03	4	{between spool and spool shaft}	
C	A01K 89/033	2	with {a} rotary drum {, i.e. for reels with a rotating spool (antibacklash devices A01K89/0155)}	A01K 89/033 A01K 89/045 A01K 89/046 A01K 89/047

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				A01K 89/048 A01K 89/049 A01K 89/05 A01K 89/051 A01K 89/052 A01K 89/053 A01K 89/054 A01K 89/055 A01K 89/056 A01K 89/057 A01K 89/058 A01K 89/059
N	A01K 89/045	3	{Spool bearing brake}	
N	A01K 89/046	3	{Manual pressure control}	
N	A01K 89/047	4	{Radially applied}	
N	A01K 89/048	5	{Rolling contact}	
N	A01K 89/049	5	{Separable attachments}	
N	A01K 89/05	3	{Brakes connected to the spool by one-way clutch}	
N	A01K 89/051	3	{Adjustable pressure pawls, e.g. braking clickers}	
N	A01K 89/052	3	{Positive}	
N	A01K 89/053	4	{One-way}	
N	A01K 89/054	5	{with disabler}	
N	A01K 89/055	6	{Rotation responsive}	
N	A01K 89/056	3	{Radially engaged}	
N	A01K 89/057	3	{Axially engaged}	
N	A01K 89/058	4	{Coaxial with spool}	
N	A01K 89/059	4	{on adjustable lever}	
M	A01K 89/06	1	Reversible reels, {i.e. with spool axis shiftable between winding and unwinding positions}	
C	A01K 89/08	1	Pole-less fishing apparatus, i.e. hand-held reels	A01K 89/08 A01K 89/081
N	A01K 89/081	2	{Axial unwinding}	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; E= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

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- **No { curly brackets } are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The { curly brackets } are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types except “D” which requires only a symbol.
- #“Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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B. New, Modified or Deleted Warning notice(s)

SUBCLASS A01K – TITLE ANIMAL HUSBANDRY; CARE OF BIRDS, FISHES, INSECTS; FISHING; REARING OR BREEDING ANIMALS, NOT OTHERWISE PROVIDED FOR; NEW BREEDS OF ANIMALS

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	A01K 89/00		Group A01K 89/00 is impacted by reclassification into group A01K 89/004. Groups A01K 89/00 and A01K 89/004 should be considered in order to perform a complete search.
N	A01K 89/004		Group A01K 89/004 is incomplete pending reclassification of documents from group A01K 89/00. Groups A01K 89/00 and A01K 89/004 should be considered in order to perform a complete search.
N	A01K 89/006		Group A01K 89/006 is impacted by reclassification into group A01K 89/009. Groups A01K 89/006 and A01K 89/009 should be considered in order to perform a complete search.
N	A01K 89/009		Group A01K 89/009 is incomplete pending reclassification of documents from group A01K 89/006. Groups A01K 89/006 and A01K 89/009 should be considered in order to perform a complete search.
N	A01K 89/01		Group A01K 89/01 is impacted by reclassification into groups A01K 89/0106, A01K 89/01121, A01K 89/011221, A01K 89/011222, A01K 89/011223, A01K 89/01123, A01K 89/01124, A01K 89/01125, A01K 89/01126, A01K 89/01127, A01K 89/0113, A01K 89/0122, A01K 89/0123, A01K 89/0124, A01K 89/0125, and A01K 89/0126. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0102		Group A01K 89/0102 is impacted by reclassification into groups A01K 89/01025, A01K 89/01026, and A01K 89/01029. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/01025		Groups A01K 89/01025,

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			A01K 89/01026, and A01K 89/01029 are incomplete pending reclassification of documents from group A01K 89/0102. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0106		Groups A01K 89/0106, A01K 89/01121, A01K 89/011221, A01K 89/011222, A01K 89/011223, A01K 89/01123, A01K 89/01124, A01K 89/01125, A01K 89/01126, A01K 89/01127, A01K 89/0113, A01K 89/0122, A01K 89/0123, A01K 89/0124, A01K 89/0125, and A01K 89/0126 are incomplete pending reclassification of documents from group A01K 89/01. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0108		Group A01K 89/0108 is impacted by reclassification into group A01K 89/01081. Groups A01K 89/0108 and A01K 89/01081 should be considered in order to perform a complete search.
N	A01K 89/01081		Groups A01K 89/01081, A01K 89/01082, A01K 89/01083, A01K 89/01084, A01K 89/01085, A01K 89/01086, A01K 89/01087, and A01K 89/01088 are incomplete pending reclassification of documents from group A01K 89/0108. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/01085		Groups A01K 89/01081, A01K 89/01082, A01K 89/01083, A01K 89/01084, A01K 89/01085, A01K 89/01086, A01K 89/01087, and A01K 89/01088 are incomplete pending reclassification of documents from group A01K 89/0108. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/01121		Groups A01K 89/0106, A01K 89/01121, A01K 89/011221, A01K 89/011222, A01K 89/011223, A01K 89/01123, A01K 89/01124,

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			A01K 89/01125, A01K 89/01126, A01K 89/01127, A01K 89/0113, A01K 89/0122, A01K 89/0123, A01K 89/0124, A01K 89/0125, and A01K 89/0126 are incomplete pending reclassification of documents from group A01K 89/01. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0113		Groups A01K 89/0106, A01K 89/01121, A01K 89/011221, A01K 89/011222, A01K 89/011223, A01K 89/01123, A01K 89/01124, A01K 89/01125, A01K 89/01126, A01K 89/01127, A01K 89/0113, A01K 89/0122, A01K 89/0123, A01K 89/0124, A01K 89/0125, and A01K 89/0126 are incomplete pending reclassification of documents from group A01K 89/01. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0114		Group A01K 89/0114 is impacted by reclassification into groups A01K 89/01141, A01K 89/01142, and A01K 89/01143. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/01141		Groups A01K 89/01141, A01K 89/01142, and A01K 89/01143 are incomplete pending reclassification of documents from group A01K 89/0114. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/01142		Groups A01K 89/01141, A01K 89/01142, and A01K 89/01143 are incomplete pending reclassification of documents from group A01K 89/0114. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0117		Group A01K 89/0117 is impacted by reclassification into group A01K 89/0118. Groups A01K 89/0117 and A01K 89/0118 should be considered in order to

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			perform a complete search.
N	A01K 89/0118		Group A01K 89/0118 is incomplete pending reclassification of documents from group A01K 89/0117. Groups A01K 89/0117 and A01K 89/0118 should be considered in order to perform a complete search.
N	A01K 89/012		Group A01K 89/012 is impacted by reclassification into group A01K 89/0121. Groups A01K 89/012 and A01K 89/0121 should be considered in order to perform a complete search.
N	A01K 89/0121		Group A01K 89/0121 is incomplete pending reclassification of documents from group A01K 89/012. Groups A01K 89/012 and A01K 89/0121 should be considered in order to perform a complete search.
N	A01K 89/0122		Groups A01K 89/0106, A01K 89/01121, A01K 89/011221, A01K 89/011222, A01K 89/011223, A01K 89/01123, A01K 89/01124, A01K 89/01125, A01K 89/01126, A01K 89/01127, A01K 89/0113, A01K 89/0122, A01K 89/0123, A01K 89/0124, A01K 89/0125 and A01K 89/0126 are incomplete pending reclassification of documents from group A01K 89/01. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0126		Groups A01K 89/0106, A01K 89/01121, A01K 89/011221, A01K 89/011222, A01K 89/011223, A01K 89/01123, A01K 89/01124, A01K 89/01125, A01K 89/01126, A01K 89/01127, A01K 89/0113, A01K 89/0122, A01K 89/0123, A01K 89/0124, A01K 89/0125 and A01K 89/0126 are incomplete pending reclassification of documents from group A01K 89/01. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/015		Group A01K 89/015 is impacted by reclassification into groups A01K 89/0175, A01K 89/0176, A01K 89/0178, A01K 89/0179,

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			A01K 89/018, A01K 89/0181, A01K 89/0182, A01K 89/0183, A01K 89/0184 , A01K 89/0185 , A01K 89/0186, A01K 89/0187 , A01K 89/0188 , A01K 89/0189, A01K 89/01901, A01K 89/01902, A01K 89/01903, A01K 89/01904, A01K 89/01905, A01K 89/01906, A01K 89/01907, A01K 89/01908, A01K 89/01909, A01K 89/0191, A01K 89/01911, A01K 89/01912, A01K 89/019125, A01K 89/01913, A01K 89/01914, A01K 89/01915, A01K 89/01916, A01K 89/01917, A01K 89/01918, A01K 89/01919, A01K 89/0192, A01K 89/01921, A01K 89/01922 , A01K 89/01923, A01K 89/01924 , A01K 89/01925, A01K 89/01928, A01K 89/01929, A01K 89/0193, and A01K 89/01931. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0155		Group A01K 89/0155 is impacted by reclassification into groups A01K 89/01556 and A01K 89/01557. Groups A01K 89/0155, A01K 89/01556 and A01K 89/01557 should be considered in order to perform a complete search.
N	A01K 89/01556		Groups A01K 89/01556 and A01K 89/01557 are incomplete pending reclassification of documents from group A01K89/0155. Groups A01K89/0155, A01K 89/01556 and A01K 89/01557 should be considered in order to perform a complete search.
N	A01K 89/01557		Groups A01K 89/01556 and A01K 89/01557 are incomplete pending reclassification of documents from group A01K89/0155. Groups A01K89/0155, A01K 89/01556 and A01K 89/01557 should be considered in order to perform a complete search.
N	A01K 89/016		Group A01K 89/016 is impacted by reclassification into group A01K 89/0162. Groups A01K 89/016 and A01K 89/0162 should be considered in order to perform a complete search.
N	A01K 89/0162		Group A01K 89/0162 is incomplete

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			pending reclassification of documents from group A01K 89/016. Groups A01K 89/016 and A01K 89/0162 should be considered in order to perform a complete search.
N	A01K 89/017		Group A01K 89/017 is impacted by reclassification into groups A01K 89/0171, A01K 89/0172, A01K 89/0173, and A01K 89/0174. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0171		Groups A01K 89/0171, A01K 89/0172, A01K 89/0173, and A01K 89/0174 are incomplete pending reclassification of documents from group A01K 89/017. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0175		Groups A01K 89/0175, A01K 89/0176, A01K 89/0178, A01K 89/0179, A01K 89/018, A01K 89/0181, A01K 89/0182, A01K 89/0183, A01K 89/0184 , A01K 89/0185 , A01K 89/0186, A01K 89/0187 , A01K 89/0188 , A01K 89/0189, A01K 89/01901, A01K 89/01902, A01K 89/01903, A01K 89/01904, A01K 89/01905, A01K 89/01906, A01K 89/01907, A01K 89/01908, A01K 89/01909, A01K 89/0191, A01K 89/01911, A01K 89/01912, A01K 89/019125, A01K 89/01913, A01K 89/01914, A01K 89/01915, A01K 89/01916, A01K 89/01917, A01K 89/01918, A01K 89/01919, A01K 89/0192, A01K 89/01921, A01K 89/01922 , A01K 89/01923, A01K 89/01924 , A01K 89/01925, A01K 89/01928, A01K 89/01929, A01K 89/0193, A01K 89/01931 are incomplete pending reclassification of documents from group A01K 89/015. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0178		Groups A01K 89/0175, A01K 89/0176, A01K 89/0178, A01K 89/0179, A01K 89/018,

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			<p>A01K 89/0181, A01K 89/0182, A01K 89/0183, A01K 89/0184 , A01K 89/0185 , A01K 89/0186, A01K 89/0187 , A01K 89/0188 , A01K 89/0189, A01K 89/01901, A01K 89/01902, A01K 89/01903, A01K 89/01904, A01K 89/01905, A01K 89/01906, A01K 89/01907, A01K 89/01908, A01K 89/01909, A01K 89/0191, A01K 89/01911, A01K 89/01912, A01K 89/019125, A01K 89/01913, A01K 89/01914, A01K 89/01915, A01K 89/01916, A01K 89/01917, A01K 89/01918, A01K 89/01919, A01K 89/0192, A01K 89/01921, A01K 89/01922 , A01K 89/01923, A01K 89/01924 , A01K 89/01925, A01K 89/01928, A01K 89/01929, A01K 89/0193, A01K 89/01931 are incomplete pending reclassification of documents from group A01K 89/015. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	A01K 89/0182		<p>Groups A01K 89/0175, A01K 89/0176, A01K 89/0178, A01K 89/0179, A01K 89/018, A01K 89/0181, A01K 89/0182, A01K 89/0183, A01K 89/0184 , A01K 89/0185 , A01K 89/0186, A01K 89/0187 , A01K 89/0188 , A01K 89/0189, A01K 89/01901, A01K 89/01902, A01K 89/01903, A01K 89/01904, A01K 89/01905, A01K 89/01906, A01K 89/01907, A01K 89/01908, A01K 89/01909, A01K 89/0191, A01K 89/01911, A01K 89/01912, A01K 89/019125, A01K 89/01913, A01K 89/01914, A01K 89/01915, A01K 89/01916, A01K 89/01917, A01K 89/01918, A01K 89/01919, A01K 89/0192, A01K 89/01921, A01K 89/01922 , A01K 89/01923, A01K 89/01924 , A01K 89/01925, A01K 89/01928, A01K 89/01929, A01K 89/0193, A01K 89/01931 are incomplete pending reclassification of documents from group A01K 89/015. All groups listed in this Warning should be</p>

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			considered in order to perform a complete search.
N	A01K 89/0183		Groups A01K 89/0175, A01K 89/0176, A01K 89/0178, A01K 89/0179, A01K 89/018, A01K 89/0181, A01K 89/0182, A01K 89/0183, A01K 89/0184 , A01K 89/0185 , A01K 89/0186, A01K 89/0187 , A01K 89/0188 , A01K 89/0189, A01K 89/01901, A01K 89/01902, A01K 89/01903, A01K 89/01904, A01K 89/01905, A01K 89/01906, A01K 89/01907, A01K 89/01908, A01K 89/01909, A01K 89/0191, A01K 89/01911, A01K 89/01912, A01K 89/019125, A01K 89/01913, A01K 89/01914, A01K 89/01915, A01K 89/01916, A01K 89/01917, A01K 89/01918, A01K 89/01919, A01K 89/0192, A01K 89/01921, A01K 89/01922 , A01K 89/01923, A01K 89/01924 , A01K 89/01925, A01K 89/01928, A01K 89/01929, A01K 89/0193, A01K 89/01931 are incomplete pending reclassification of documents from group A01K 89/015. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/0192		Groups A01K 89/0175, A01K 89/0176, A01K 89/0178, A01K 89/0179, A01K 89/018, A01K 89/0181, A01K 89/0182, A01K 89/0183, A01K 89/0184 , A01K 89/0185 , A01K 89/0186, A01K 89/0187 , A01K 89/0188 , A01K 89/0189, A01K 89/01901, A01K 89/01902, A01K 89/01903, A01K 89/01904, A01K 89/01905, A01K 89/01906, A01K 89/01907, A01K 89/01908, A01K 89/01909, A01K 89/0191, A01K 89/01911, A01K 89/01912, A01K 89/019125, A01K 89/01913, A01K 89/01914, A01K 89/01915, A01K 89/01916, A01K 89/01917, A01K 89/01918, A01K 89/01919, A01K 89/0192, A01K 89/01921, A01K 89/01922 , A01K 89/01923, A01K 89/01924 , A01K 89/01925, A01K 89/01928,

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			A01K 89/01929, A01K 89/0193, A01K 89/01931 are incomplete pending reclassification of documents from group A01K 89/015. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/01931		Groups A01K 89/0175, A01K 89/0176, A01K 89/0178, A01K 89/0179, A01K 89/018, A01K 89/0181, A01K 89/0182, A01K 89/0183, A01K 89/0184 , A01K 89/0185 , A01K 89/0186, A01K 89/0187 , A01K 89/0188 , A01K 89/0189, A01K 89/01901, A01K 89/01902, A01K 89/01903, A01K 89/01904, A01K 89/01905, A01K 89/01906, A01K 89/01907, A01K 89/01908, A01K 89/01909, A01K 89/0191, A01K 89/01911, A01K 89/01912, A01K 89/019125, A01K 89/01913, A01K 89/01914, A01K 89/01915, A01K 89/01916, A01K 89/01917, A01K 89/01918, A01K 89/01919, A01K 89/0192, A01K 89/01921, A01K 89/01922 , A01K 89/01923, A01K 89/01924 , A01K 89/01925, A01K 89/01928, A01K 89/01929, A01K 89/0193, and A01K 89/01931 are incomplete pending reclassification of documents from group A01K 89/015. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/027		Group A01K 89/027 is impacted by reclassification into groups A01K 89/028, A01K89/029, and A01K89/03. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/028		Groups A01K 89/028, A01K89/029, and A01K89/03 are incomplete pending reclassification of documents from group A01K 89/027. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/033		Group A01K 89/033 is impacted by reclassification into groups A01K 89/045, A01K 89/046,

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			A01K 89/047, A01K 89/048, A01K 89/049, A01K 89/05, A01K 89/051, A01K 89/052, A01K 89/053, A01K 89/054, A01K 89/055, A01K 89/056, A01K 89/057, A01K 89/058 and A01K 89/059. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/045		Groups A01K 89/045, A01K 89/046, A01K 89/047, A01K 89/048, A01K 89/049, A01K 89/05, A01K 89/051, A01K 89/052, A01K 89/053, A01K 89/054, A01K 89/055, A01K 89/056, A01K 89/057, A01K 89/058 and A01K 89/059 are incomplete pending reclassification of documents from group A01K 89/033. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/046		Groups A01K 89/045, A01K 89/046, A01K 89/047, A01K 89/048, A01K 89/049, A01K 89/05, A01K 89/051, A01K 89/052, A01K 89/053, A01K 89/054, A01K 89/055, A01K 89/056, A01K 89/057, A01K 89/058 and A01K 89/059 are incomplete pending reclassification of documents from group A01K 89/033. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/05		Groups A01K 89/045, A01K 89/046, A01K 89/047, A01K 89/048, A01K 89/049, A01K 89/05, A01K 89/051, A01K 89/052, A01K 89/053, A01K 89/054, A01K 89/055, A01K 89/056, A01K 89/057, A01K 89/058, and A01K 89/059 are incomplete pending reclassification of documents from group A01K 89/033. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/051		Groups A01K 89/045, A01K 89/046, A01K 89/047, A01K 89/048, A01K 89/049, A01K 89/05, A01K 89/051, A01K 89/052, A01K 89/053, A01K 89/054, A01K 89/055, A01K 89/056,

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			A01K 89/057, A01K 89/058, and A01K 89/059 are incomplete pending reclassification of documents from group A01K 89/033. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/052		Groups A01K 89/045, A01K 89/046, A01K 89/047, A01K 89/048, A01K 89/049, A01K 89/05, A01K 89/051, A01K 89/052, A01K 89/053, A01K 89/054, A01K 89/055, A01K 89/056, A01K 89/057, A01K 89/058, and A01K 89/059 are incomplete pending reclassification of documents from group A01K 89/033. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/056		Groups A01K 89/045, A01K 89/046, A01K 89/047, A01K 89/048, A01K 89/049, A01K 89/05, A01K 89/051, A01K 89/052, A01K 89/053, A01K 89/054, A01K 89/055, A01K 89/056, A01K 89/057, A01K 89/058, and A01K 89/059 are incomplete pending reclassification of documents from group A01K 89/033. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/057		Groups A01K 89/045, A01K 89/046, A01K 89/047, A01K 89/048, A01K 89/049, A01K 89/05, A01K 89/051, A01K 89/052, A01K 89/053, A01K 89/054, A01K 89/055, A01K 89/056, A01K 89/057, A01K 89/058, and A01K 89/059 are incomplete pending reclassification of documents from group A01K 89/033. All groups listed in this Warning should be considered in order to perform a complete search.
N	A01K 89/08		Group A01K 89/08 is impacted by reclassification into group A01K 89/081. Groups A01K 89/08 and A01K 89/081 should be considered in order to perform a complete search.
N	A01K 89/081		Group A01K 89/081 is incomplete pending reclassification of documents from group A01K 89/08. Groups

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			A01K 89/08 and A01K 89/081 should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

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PROJECT RP0020

2. DEFINITIONS (new, modified, deleted)

A01K 89/00

Reels (devices for casting lines A01K 91/02)

Definition statement

This subgroup covers:

Subject matter comprising a portable reel (i.e., fishing reel) intended for taking up and paying out line to which tackle is attached while fishing. The reel includes a frame and a spool on which fishing line is to be wound. The reel includes a drive device for causing line to be wound or unwound from the spool or is constructed to allow hand wrapping/unwrapping of the line. The spool can have any form that allows it to store/hold line and that allows the line to be wound onto and unwound from it. The reel may be constructed to be used without a fishing pole.

References relevant to classification in this subgroup

This subgroup does not cover:

Devices for casting lines	A01K91/02
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Reels and spools for storing webs, tapes, or filamentary material	B65H75/00
Toothed gearing in general	F16H1/00
Containers or holders for lines	A01K97/06
Reel covers within fishing rod containers	A01K97/08
Specific measuring device in a reel	G01F 23/0023
Linear distance or length measurement system	G01B 1/00

Special rules of classification within this subclass

In [A01K 89/00](#) and its subgroups, only inventive classifications based on the claims are applied to documents. Classifications in [A01K 89/00](#) and its subgroups are generally not given for unclaimed subject matter.

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A01K 89/003

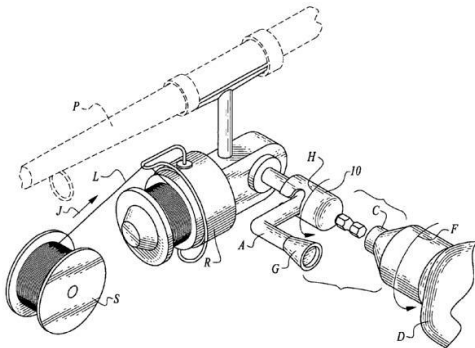
{Devices for transferring line to a reel}

Definition statement

This subgroup covers:

Subject matter wherein the reel is constructed to facilitate transfer of line from a source (e.g., another spool) to the reel or subject matter including a device adapting the reel for such transfer.

Illustrative example of subject matter classified in this subgroup.



A01K 89/004

{Alternate right or left side drives}

Definition statement

This subgroup covers:

Subject matter wherein the reel includes a drive device (e.g., hand crank or motor) for providing power to the reel for winding or unwinding the line relative to the spool and wherein the reel is configured so that a user can readily selectively connect the drive device to the remainder of the reel on left and right sides of the reel.

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A01K89/006

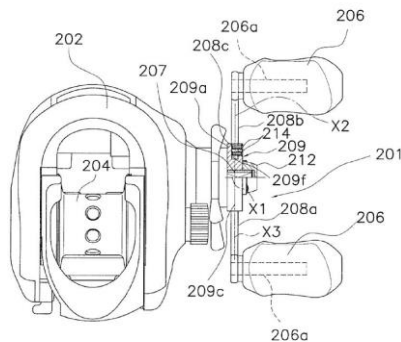
{Hand crank features}

Definition statement

This subgroup covers:

Subject matter including details of a rotatable handle forming a drive device for manually driving the reel.

Illustrative example of subject matter classified in this subgroup:



Informative references

Attention is drawn to the following places, which may be of interest for search:

General purpose crank

G05G 1/085

A01K 89/009

{Collapsible or extensible}

Definition statement

This subgroup covers:

Subject matter wherein the hand crank (handle) has means to (a) vary its effective length, or (b) reposition the hand crank between operating and storage positions.

Informative references

Attention is drawn to the following places, which may be of interest for search:

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Extensible or collapsible hand crank in general use

G05G1/085

A01K89/01

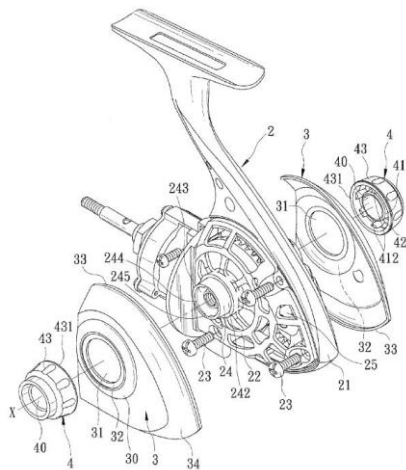
with pick-up, i.e. with the guiding member rotating and the spool not rotating during normal retrieval of the line (A01K 89/027 takes precedence)

Definition statement

This subgroup covers:

Subject matter wherein the reel includes a guiding member mounted on a rotatably driven rotor and a drive device (e.g., hand crank or motor) for rotating the rotor and guiding member, the fishing line engaging the guiding member and the guiding member rotating around the spool so as to wrap the line on spool while the spool is held against rotation relative to the frame of the reel. The spool may move in other ways, e.g., it may reciprocate along an axis of rotation of the guiding member to distribute the fishing line along the spool.

Illustrative example of subject matter classified in this subgroup.

**References relevant to classification in this subgroup**

This subgroup does not cover:

Brake devices for reels with pick-up

A01K89/027

A01K 89/0102

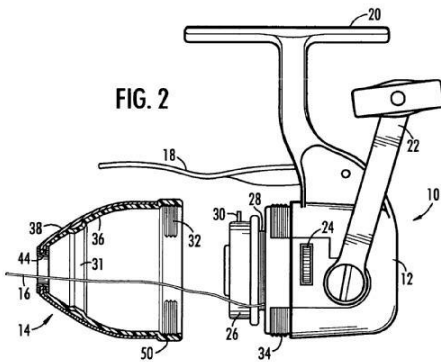
{with a closed face}

Definition statement

This subgroup covers:

Subject matter wherein the frame of the reel includes a cover substantially enclosing the spool.

Illustrative example of subject matter classified in this subgroup.



References relevant to classification in this subgroup

This subgroup does not cover:

Brake devices for closed face reels	A01K89/0275
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A01K 89/01025

{with line snubber shifted by a remote actuator}

Definition statement

This subgroup covers:

Subject matter including a manual actuator spaced from and operating a line engaging brake (i.e., snubber) to force the line toward a component of the frame to control unwinding of the line. The component of the frame may be the cover.

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A01K 89/01026

{with rotor and snubber shiftable axially}

Definition statement

This subgroup covers:

Subject matter wherein the snubber is fixed to the guiding member and the manual actuator shifts both the rotor and snubber axially along the axis of winding.

A01K 89/01029

{with guiding members shifted radially}

Definition statement

This subgroup covers:

Subject matter wherein the manual actuator also moves the guiding member radially inward to an unwinding position substantially simultaneously with the axial movement of the guiding member and brake.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Fishing reels having guiding members shiftable between winding and unwinding positions	A01K89/01082 , A01K89/01086 , A01K89/01087 , A01K 89/0176 , A01K 89/01918
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A01K 89/0105

{Multi-speed mechanisms}

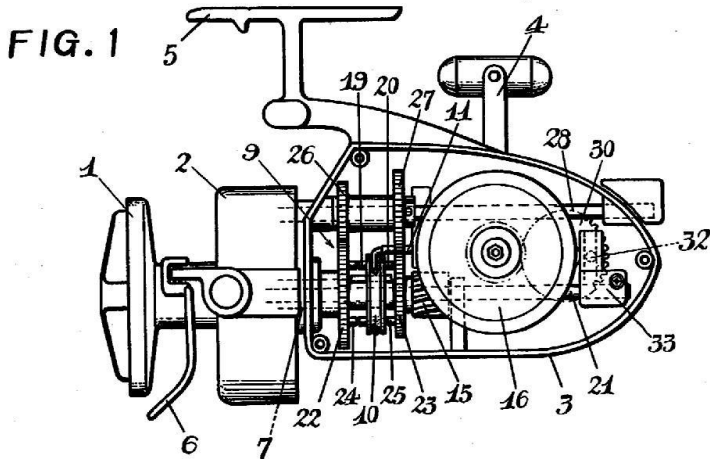
Definition statement

This subgroup covers:

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Subject matter wherein the reel includes a speed change mechanism connected between the drive device and guiding member for selectively varying the speed ratio between the drive device and the guiding member.



Informative references

Attention is drawn to the following places, which may be of interest for search:

Drive for rotating drum having multiple speed ratios	A01K 89/0184
--	------------------------------

A01K 89/0106

{Ratchet-type drives}

Definition statement

This subgroup covers:

Subject matter wherein the drive device includes an oscillated or reciprocated mechanical input member (e.g., a lever or pull cord) acting through a unidirectional device (e.g., a pawl and ratchet) to drive the guiding member for winding of the fishing line.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Ratchet-type drives for a reel having a rotary drum	A01K 89/0185
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A01K 89/0108

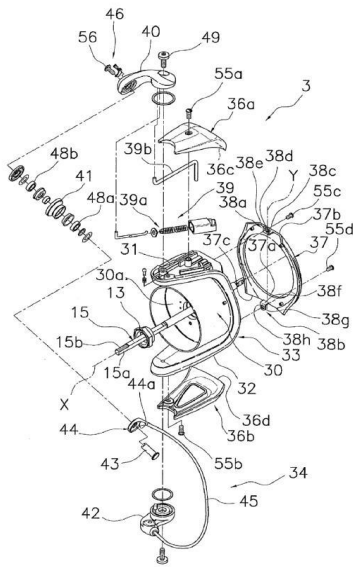
{Pick-up details}

Definition statement

This subgroup covers:

Subject matter including details of the guiding member or the rotor.

Illustrative example of subject matter classified in this subgroup.



A01K 89/01081

{Guiding members on rotor axially rearward of spool}

Definition statement

This subgroup covers:

Subject matter wherein the rotor is mounted for rotation at a rear end of the spool (i.e., the end of the spool opposite an end of the spool over which the fishing line passes during winding). Portions of the rotor may extend beyond the rear end (e.g., toward the forward end) of the spool.

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A01K 89/01082

{Guiding members shiftable on rotor}

Definition statement

This subgroup covers:

Subject matter wherein the guiding member is mounted on the rotor for movement relative to the rotor between a winding position in engagement with the line for wrapping it onto the spool and an unwinding position free of the line to permit the line to spin over one of the ends of the spool.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Fishing reels having guiding members shiftable between winding and unwinding positions	A01K89/01029 , A01K89/01086 , A01K89/01087 , A01K 89/0176 , A01K 89/01918
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A01K 89/01083

{ to wind position by rotor drive}

Definition statement

This subgroup covers:

Subject matter including an actuator for causing the guiding member to move from the unwinding position to the winding position in response to rotation of the rotor by the drive device.

A01K 89/01084

{Guiding members shifted to unwind position by discrete manual operators}

Definition statement

This subgroup covers:

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Subject matter including hand manipulated means connected to the guiding member for manually moving the guiding member from the winding position to the unwinding position. The hand manipulated means may be a distinct appendage connected directly to the guiding member for finger manipulation.

A01K 89/01085

{Guiding members on rotor forward of spool ([A01K89/0102](#) takes precedence)}

Definition statement

This subgroup covers:

Subject matter wherein the rotor is mounted for rotation at a forward end of the spool (i.e., the end of the spool over which the fishing line passes during winding). Portions of the rotor may extend beyond the forward end (e.g., toward the rear end) of the spool.

A01K 89/01086

{with rotor drive shifting the guiding member to unwind and wind positions}

Definition statement

This subgroup covers:

Subject matter wherein the guiding member is mounted on the rotor for movement between a winding position in engagement with the line for wrapping it onto the spool and an unwinding position free of the line to permit the line to spin over one of the ends of the spool and wherein the drive device includes a linkage for shifting the guiding member between the winding position and the unwinding position in response to movement of the drive device.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Fishing reels having guiding members shiftable between winding and unwinding positions	A01K89/01029 , A01K89/01082 , A01K89/01087 , A01K 89/0176 , A01K 89/01918
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A01K 89/01087

{with manual actuator to shift guiding member to unwind position}

Definition statement

This subgroup covers:

Subject matter including hand manipulated means connected to the guiding member for manually moving the guiding member from a winding position engaging the fishing line to and unwinding position out of engagement with the line.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Fishing reels having guiding members shiftable between winding and unwinding positions	A01K89/01029 , A01K89/01082 , A01K89/01086 , A01K 89/0176 , A01K 89/01918
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A01K 89/01088

{Actuators forward of spool}

Definition statement

This subgroup covers:

Subject matter wherein the hand manipulated means or a significant portion thereof is located at the forward end of both the spool and the rotor and is manipulated from the forward end of the reel.

A01K 89/0111

{Spool details}

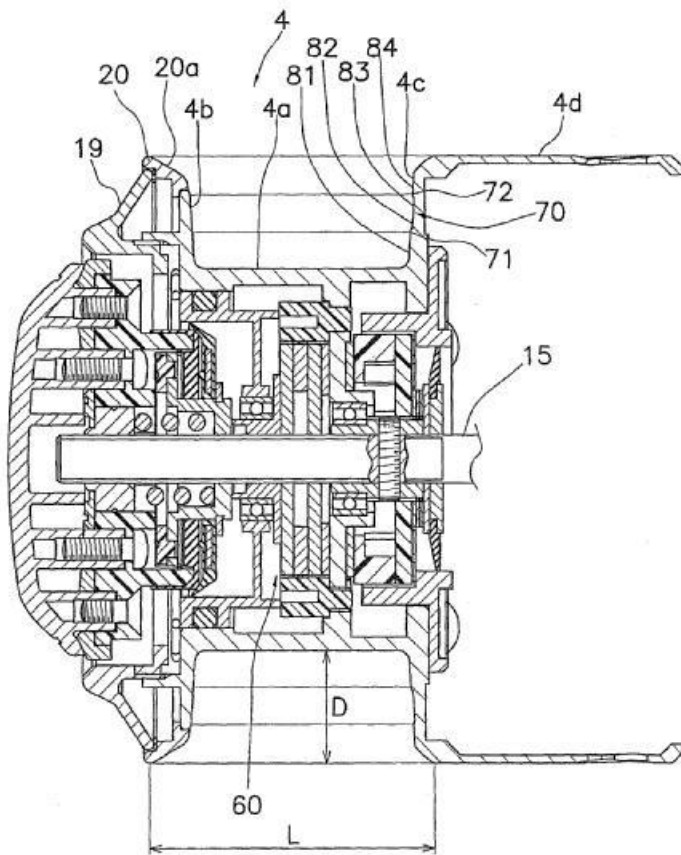
Definition statement

This subgroup covers:

Subject matter including details of the spool.

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Informative references

Attention is drawn to the following places, which may be of interest for search:

Spool, per se	B65H 75/14
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A01K 89/01121

{Frame details}

Definition statement

This subgroup covers:

Subject matter including details of the frame of the reel.

Informative references

Attention is drawn to the following places, which may be of interest for search:

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Details of the frame of a reel having a rotary drum

A01K 89/0192

A01K 89/011221

{with line or water shields}

Definition statement

This subgroup covers:

Subject matter wherein the frame includes a gasket-like obstruction, seal, or structure providing a tortuous course to block the intrusion of foreign matter (e.g., water, dirt, or grit) into the interior of the reel.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Line or water shield in other reels

A01K 89/01928

A01K 89/011222

{with lubrication features}

Definition statement

This subgroup covers:

Subject matter wherein the frame includes a device for facilitating the application of lubricant to a movable part of the reel.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Lubrication feature of a reel having a rotary drum
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A01K 89/01929

A01K 89/011223

{with bearing features}

Definition statement

DATE: MAY 1, 2015

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This subgroup covers:

Subject matter wherein including details of a bearing between the frame and a movable element of the reel.

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Bearing, per se	F16C 17/00- F16C 43/00
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A01K 89/01123**{Frame disassembly features}****Definition statement***This subgroup covers:*

Subject matter wherein the frame is provided with at least one of: (a) quick release fastening means, (b) special disassembly access to parts, and (c) special support of parts during disassembly that facilitates reassembly.

A frame connected by a series of usual threaded fasteners is not sufficient to warrant classification in this subgroup. However, more than two frame components retained by a single threaded end cap, e.g., would be considered quick release fastening means and would be sufficient.

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Frame disassembly features in a reel having a rotary drum	A01K 89/01921
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A01K 89/01124**{Hinged frame sections}****Definition statement***This subgroup covers:*

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Subject matter wherein the frame includes major frame components connected together by a pivotal connection.

A01K 89/01125

{Rotated joints}

Definition statement

This subgroup covers:

Subject matter wherein the reel frame includes components that are connected by a joint (e.g. bayonet or keyhole) that is releasable upon rotation of one of the components about its axis relative to another one of the components.

A01K 89/01126

{Threaded}

Definition statement

This subgroup covers:

Subject matter wherein the joint includes a spiral thread-like coupling.

A01K 89/01127

{Reel supports}

Definition statement

This subgroup covers:

Subject matter wherein the frame includes a bracket for mounting the reel on a fishing rod.

A01K 89/0113

{Spool locking devices on spool shaft}

Definition statement

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This subgroup covers:

Subject matter wherein the reel includes a latch which releasably retains the spool on a shaft of the frame.

A01K 89/0114

{Reciprocating mechanisms}

Definition statement

This subgroup covers:

Subject matter having a distributing mechanism for systematically distributing the line along the length of the spool by periodically shifting the spool substantially linearly relative to the guiding member.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Device for distributing elongated material on a spool or core

B65H 54/02

A01K 89/01141

{including eccentric cams reciprocating the spool}

Definition statement

This subgroup covers:

Subject matter wherein the reciprocating mechanism includes a rotatable member with a surface eccentric to its axis of rotation for imparting reversible, substantially linear motion to the spool for evenly distributing line onto the spool.

A01K 89/01142

{ for reciprocating the guiding member}

Definition statement

This subgroup covers:

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Subject matter wherein the distributing mechanism produces the relative motion between the spool and the guiding member by shifting the guiding member relative to the frame.

A01K 89/01143

{Reversely threaded screws}

Definition statement

This subgroup covers:

Subject matter wherein the distributing mechanism includes at least one grooved shaft having right and left hand helical grooves merged together at each end of the grooves to receive a follower connected to the guiding member so that rotation of the grooved shaft imparts reciprocating motion to the guiding member.

A01K 89/0117

{Anti-reverse mechanisms}

Definition statement

This subgroup covers:

Subject matter wherein the reel includes a mechanism that allows rotation of the guiding member in only one direction.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Fishing reel with pick-up having a brake for preventing rotation of an element	A01K 89/027
Ratchet device	B25B13/463
General purpose, positive brake	F16F 9/12

A01K 89/0118

{defining home position of reel part}

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Definition statement*This subgroup covers:*

Subject matter wherein the brake stops the winding mechanism at a predetermined rotary position.

A01K 89/012**motor-driven****Definition statement***This subgroup covers:*

Subject matter wherein the drive device is a motor, i.e., a device for converting potential energy into kinetic energy. Motors, e.g., spring motors, to which potential energy is supplied manually are included under this definition.

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Motor driven, tangentially unwinding fishing reel	A01K 89/017
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A01K 89/0121**{Spring motors}****Definition statement***This subgroup covers:*

Subject matter wherein the motor is powered by energy stored in a resilient member (i.e., a spring).

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Spring motor driven, tangentially unwinding fishing reel	A01K 89/0171
Spring motor	F03G 1/00
Details of a spring device, per se	F16F 1/04

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A01K 89/0122

{with unwinding indicators, e.g. bell or flashing light}

Definition statement

This subgroup covers:

Subject matter having a signal device to alert a user of the reel that the fishing line is being removed from the spool.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Unwinding indicator in a reel having a rotary drum	A01K 89/0178
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A01K 89/0123

{Clicking indicators, e.g. flexible pawl and toothed member}

Definition statement

This subgroup covers:

Subject matter wherein the signal device includes a flexible spring-like member engageable with a serrated member, the members being relatively rotatable with respect to each other to provide an audible signal.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Clickers for signalling or braking	A01K 89/0179 , A01K 89/051
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A01K 89/0124

{Spring biased pawls}

Definition statement

This subgroup covers:

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Subject matter wherein the signal device includes a substantially rigid pawl having a tooth, the pawl being urged by a separate resilient means into engagement with a serrated member, the pawl and serrated member being relatively rotatable with respect to each other to provide the audible signal.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Indicator comprising a spring biased pawl in a fishing reel having a rotary drum	A01K 89/018
--	-----------------------------

A01K 89/0125

{Plural spring sections}

Definition statement

This subgroup covers:

Subject matter wherein the resilient means comprise either separate elements or a single element with distinct sections urging the pawl into engagement with the serrated member.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Indicator including pawl biased by spring having plural sections	A01K 89/0181
--	------------------------------

A01K 89/0126

{with line unwinding limiters}

Definition statement

This subgroup covers:

Subject matter having means to selectively limit the length of line that can be unwound from the spool.

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A01K 89/015

with {a} rotary drum {i.e. with a rotating spool} (A01K 89/033 takes precedence)

Definition statement

This subgroup covers:

Subject matter wherein the drive device rotates the spool to wind the fishing line thereon.

A01K 89/0155

Antibacklash devices

Definition statement

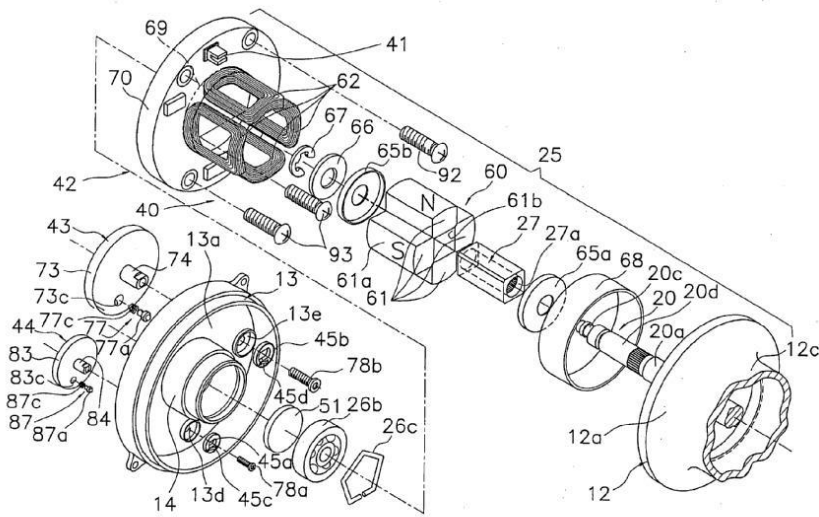
This subgroup covers:

Subject matter wherein the reel includes a brake that acts to variably regulate unwinding of the line in response to conditions in the line or reel during the casting of a weighted line.

Due to factors such as spool inertia, an unwinding spool may accelerate too rapidly or continue to rotate in the unwinding direction after the line ceases to be pulled from the spool resulting in loosened turns of line or "backlash". The brake coordinates spool rotation with the acceleration, deceleration, and termination phases of line demand during casting without requiring concurrent user adjustment.

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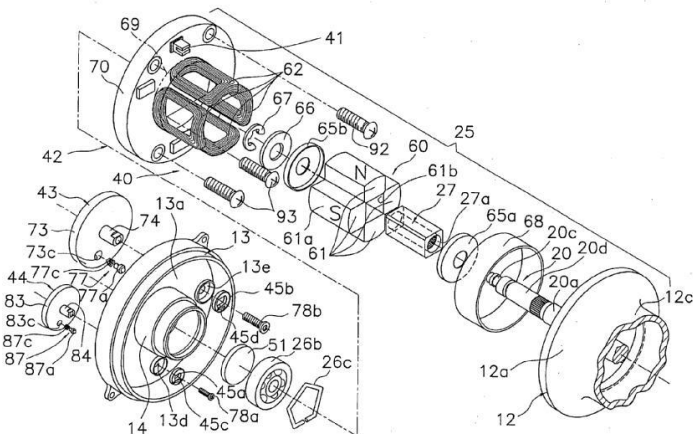
A01K 89/01555

{using magnets}

Definition statement

This subgroup covers:

Subject matter wherein the brake includes (a) a device for producing lines of magnetic flux, and (b) an electrically conductive device disposed to cut the flux lines, one of the devices being stationary and the other rotatable with the spool to establish a braking force opposing rotation of the spool in the unwinding direction.



Informative references

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Attention is drawn to the following places, which may be of interest for search:

Magnetic line tensioning device	B65H 59/16
Similar brake in general use	F16F 15/03
Hysteresis or eddy current device	F16D 2121/22

A01K 89/01556

{Line tension responsive actuators}

Definition statement

This subgroup covers:

Subject matter wherein the brake is associated with a line engaging member shiftable in response to changes in the tension of the unwinding line to regulate braking.

A01K 89/01557

{Centrifugal}

Definition statement

This subgroup covers:

Subject matter wherein the brake includes at least one mass element rotatable with, but shiftable relative to, the spool when subjected to the centrifugal force of rapid rotation to shift the mass element into a position to retard rotation of the spool.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Centrifugal brake retarding unwinding in a fire escape reel	A62B 1/10
Speed regulating brake used in various fields	F16D 59/00

A01K 89/016

Fly reels {i.e. with a stub shaft support}

Definition statement

This subgroup covers:

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Subject matter wherein the frame has a shaft supported at only one end and on which the spool is freely rotatable.

A01K 89/0162

{with a releasable latch to retain spool on shaft}

Definition statement

This subgroup covers:

Subject matter including a latch that releasably retains the spool on the shaft. The latch is a manually pivotable or slidable element that can be quickly and easily moved between a position in which the latch prevents the spool from coming off of the shaft and a position in which the spool can be manually removed from the shaft without the use of tools.

A01K89/0165

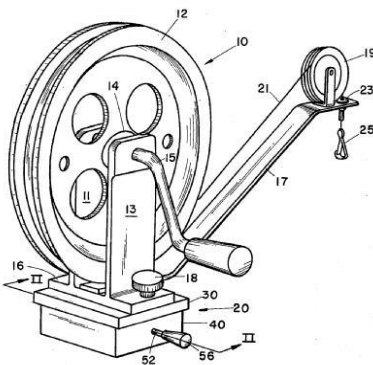
for trolling

Definition statement

This subgroup covers:

Subject matter wherein the reel is configured for use in trolling (i.e., fishing from a moving boat).

Illustrative example of subject matter classified in this group.



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A01K 89/017**motor-driven****Definition statement***This subgroup covers:*

Subject matter wherein the drive device is a motor, i.e., a device for converting potential energy into kinetic energy. Motors, e.g., spring motors, to which potential energy is supplied manually are included under this definition.

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Motor driven fishing reel with pick-up	A01K 89/012
Haulage device employing a particular motor	B66D 1/12

A01K 89/0171**{Spring motors}****Definition statement***This subgroup covers:*

Subject matter wherein the motor is powered by energy stored in a resilient member, i.e., a spring.

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Spring motor driven fishing reel with pick-up	A01K 89/0121
Non-fishing reel having spring motor	B65H 75/486
Spring motor	F03G 1/00
Details of a spring device, per se	F16F 1/04

A01K 89/0172**{ actuated in response to pull on line}**

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Definition statement

This subgroup covers:

Subject matter having a latch that releases the energy stored in the spring in response to a tension on the fishing line.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Releasable lock acting against the bias of a spring motor in a reel not intended for use in fishing	B65H75/4434
Automatic hooking device	A01K 91/10

A01K 89/0173

{with independent manual drive}

Definition statement

This subgroup covers:

Subject matter wherein the reel includes a manually operated crank to drive the spool, the spring motor and crank being selectively useable.

A01K 89/0174

{with spring chargers}

Definition statement

This subgroup covers:

Subject matter having a selectively operable device to store energy in the spring motor independently of spool rotation.

A01K 89/0175

{Axial unwinding}

Definition statement

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This subgroup covers:

Subject matter wherein the spool does not rotate during unwinding of the line, the line unwinding by spinning over a discharge end of the spool.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Reels in which the spool is stationary during winding	A01K 89/01
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A01K 89/0176

{with guide shiftable between wind and unwind positions}

Definition statement

This subgroup covers:

Subject matter including a line guide mounted for movement between (a) a winding position that allows the winding of the line by rotation of the spool and (b) an unwinding position that allows the line to allow the unwinding of the line by passing over the discharge end of the spool.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Fishing reels having guiding members shiftable between winding and unwinding positions	A01K89/01029 , A01K89/01082 , A01K89/01086 , A01K89/01087 , A01K 89/01918
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A01K 89/0178

{with unwinding indicators , e.g. a bell or a flashing light}

Definition statement

This subgroup covers:

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Subject matter having a signal device to alert a user of the reel that the fishing line is being removed from the spool.

A01K 89/0179

{Clicking indicators, e.g. flexible pawl and toothed member}

Definition statement

This subgroup covers:

Subject matter wherein the signal device includes a flexible spring-like member engageable with a serrated member, the members being relatively rotatable with respect to each other to provide an audible signal.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Fishing reel having a clicker for signalling or braking	A01K 89/0123 , A01K 89/051
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A01K 89/018

{Spring biased pawls}

Definition statement

This subgroup covers:

Subject matter wherein the signal device includes a substantially rigid pawl having a tooth, the pawl being urged by a separate resilient means into engagement with a serrated member, the pawl and serrated member being relatively rotatable with respect to each other to provide the audible signal.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Indicator comprising a spring biased pawl	A01K 89/0124
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A01K 89/0181

{Plural spring sections}

Definition statement

This subgroup covers:

Subject matter wherein the resilient means comprise either separate elements or a single element with distinct sections urging the pawl into engagement with the serrated member.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Indicator including pawl biased by spring having plural sections
--

A01K 89/0125

A01K 89/0182

{with line unwinding limiters}

Definition statement

This subgroup covers:

Subject matter having means to selectively limit the length of line that can be unwound from the spool.

A01K 89/0183

{Drive mechanism details}

Definition statement

This subgroup covers:

Subject matter including details of a drive mechanism that transmits power from the drive device to (a) the spool to cause the rotation of the spool that results in winding of the line thereon or (b) the fishing line to move the fishing line toward or away from the spool or to change its path of travel (e.g., to distribute material along the spool).

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Drive mechanism details such as shock absorbers or structure that provides irregular line take-up rates are included.

A01K 89/0184

{Multiple drive ratio}

Definition statement

This subgroup covers:

Subject matter wherein the drive mechanism includes structure for selectively varying the speed ratio between the drive device and the spool.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Drive mechanism for a reel with pick-up having multiple speeds
--

A01K 89/0105

A01K 89/0185

{Ratchet-type drive}

Definition statement

This subgroup covers:

Subject matter wherein the drive device includes an oscillated or reciprocated mechanical input member (e.g., a lever or pull cord) acting through a unidirectional device (e.g., a pawl and ratchet) to drive the spool for winding of the fishing line.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Ratchet-type drives for a reel with pick-up

A01K 89/0106

A01K 89/0186

{with disengageable positive drive components, e.g. a clutch}

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Definition statement*This subgroup covers:*

Subject matter wherein the drive mechanism includes a drive element shiftable from a first position for positively (i.e., without slip) transferring torque between the drive device and the spool to a second position completely interrupting the positive torque transfer.

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Shiftable clutch and operator in diverse technologies	F16D 11/14
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A01K 89/0187**{ having alternative yieldable mechanism }****Definition statement***This subgroup covers:*

Subject matter wherein the reel includes a friction device (e.g., coupling or brake) and wherein a power transmitting connection between the spool and the friction device is made and the drive element shifts to the second position (in which torque cannot be transmitted) in response to a change of the reel to a first operating state and wherein the power transmitting connection between the spool and the friction device is broken and the drive element shifts to the first position (in which torque can be transmitted) in response to a change of the reel to a second operating state.

The change in the connection between the friction device and the spool and the change in the connection between the drive device and the spool need not occur simultaneously (e.g., see U.S. Pat. No. 4,482,106; they are in response to the same condition, i.e., unwinding of the line). The operating state of the reel may be affected by conditions that are not controlled by the user (e.g., pull on the line; U.S. Pat. No. 4,482,106) or may be under the control of the user (e.g., position of a control lever; U.S. Pat. No. 4,640,471).

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Clutch and brake combination in various devices.	F16D 11/14
Haulage reel employed in a clutch linked to a friction brake.	B66D 1/14

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A01K 89/0188

{Axially engaged}

Definition statement

This subgroup covers:

Subject matter wherein the shiftable drive element rotates about an axis and moves in a direction along or parallel to the axis between the first and second positions.

A01K 89/0189

{Coaxial of spool}

Definition statement

This subgroup covers:

Subject matter wherein the axis about which the shiftable drive element rotates is the same as an axis about which the spool rotates to wind the fishing line.

A01K 89/01901

{Reengageable responsive to drive rotation}

Definition statement

This subgroup covers:

Subject matter wherein the drive element is shifted from the second (torque interrupting) position to the first (positive torque transferring) position in response to movement of the drive device.

A01K 89/01902

{Gear pair}

Definition statement

This subgroup covers:

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Subject matter wherein the drive element is a first gear and the drive mechanism includes a second gear that is meshed with the drive element when the drive element is in the first position and is out of engagement with the drive element in the second position.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Haulage reel having gears shiftable into and out of intermeshing engagement	B66D 1/14
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A01K 89/01903

{with yieldable drive coupling, e.g. friction or fluid clutch}

Definition statement

This subgroup covers:

Subject matter wherein the drive mechanism includes a drive element adjustable to provide slippage for limiting the torque which can be transmitted between the drive device and spool.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Combined clutch and brake	F16D 67/02
Overload release drive coupling	F16D 43/206

A01K 89/01904

{ adjustable by crank manipulation}

Definition statement

This subgroup covers:

Subject matter wherein the reel includes a selectively shiftable crank for performing the adjustment of the drive element to vary the torque limit at which slippage occurs. E.g., shifting the crank in opposite directions may alternately increase or decrease the torque limit. "Crank" includes a manually rotated device such as a thumbwheel.

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A01K 89/01905

{ adjustable within distinct ranges }

Definition statement

This subgroup covers:

Subject matter wherein the reel includes means to limit the adjustment of the toque limit to one or more ranges having predetermined minimum and maximum values.

A01K 89/01906

{between drive shaft and crank}

Definition statement

This subgroup covers:

Subject matter wherein the drive device is a manually operated crank and the adjustable drive element of the drive mechanism acts directly between the crank and a drive spindle that supports the crank and transmits power from the crank to the spool such that slippage and relative movement may occur between the crank and the drive spindle.

A01K 89/01907

{between drive shaft and gear}

Definition statement

This subgroup covers:

Subject matter wherein the adjustable drive element of the drive mechanism acts directly between a shaft of the drive mechanism and a gear on the shaft at a point spaced from the spool.

A01K 89/01908

{Coaxial with spool}

Definition statement

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This subgroup covers:

Subject matter wherein the adjustable drive element rotates coaxially with the spool.

A01K 89/01909

{Axially applied}

Definition statement

This subgroup covers:

Subject matter having an actuator for shifting the adjustable drive element axially along the axis of rotation of the spool.

A01K 89/0191

{by centre pin}

Definition statement

This subgroup covers:

Subject matter wherein the actuator includes a shaft or pin-like element coaxial with the spool that operates to draw the spool toward the drive device to increase the torque transmittable between the drive device and spool.

A01K 89/01911

{with feed roller}

Definition statement

This subgroup covers:

Subject matter wherein the drive mechanism includes at least one roller driven by the drive device and engaging the fishing line to feed the line to the spool.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Details of a feeding element	B65H 20/02
Haulage device that may include a line feeder	B66D 3/006

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A01K 89/01912**{with level winding}****Definition statement***This subgroup covers:*

Subject matter wherein the drive mechanism includes a distributing mechanism for systematically distributing the fishing line along the length of the spool.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Fishing reel with pick-up having a level winding mechanism	A01K 89/0114
Device for distributing elongated material on a spool or core	B65H 54/02

A01K 89/019125**{Line shifts along a rotatable cam bar}****Definition statement***This subgroup covers:*

Subject matter wherein the distributing mechanism includes a rotatable bar substantially parallel to the axis of the spool and wherein the bar has an undulatory, generally spiral surface that engages the line being wound to distribute the line evenly onto the spool.

A01K 89/01913**{Line traction guide wheels}****Definition statement***This subgroup covers:*

Subject matter wherein the distributing mechanism includes a wheel mounted on a shaft, engaged by the line being wound, and limiting lateral motion of the line relative to the wheel to guide the line, the wheel being driven by contact with the line, the wheel

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and shaft including structure to convert rotation of the wheel to a back and forth movement of the wheel substantially parallel to the spool.

A01K 89/01914

{Manually shifted guides}

Definition statement

This subgroup covers:

Subject matter wherein the distributing mechanism includes a portion specifically contoured for direct engagement by the user for shifting a line guide along the length of the spool to evenly distribute the line.

A01K 89/01915

{the drive mechanism oscillating the guide}

Definition statement

This subgroup covers:

Subject matter wherein the distributing mechanism includes a pivotally mounted line guide and a linkage connected to the drive mechanism to shift the guide in opposite directions along a curved path.

A01K 89/01916

{the drive mechanism reciprocating the guide}

Definition statement

This subgroup covers:

Subject matter wherein the distributing mechanism includes a line guide and a linkage connected to the drive mechanism to shift the guide in opposite directions along a substantially linear path parallel to the spool.

The linear path may include proportionately small curves, e.g., the path may be an elliptical path with an extremely long major axis and a short minor axis or it may be the path of a point traveling with an elongated chain trained over a pair of small sprockets.

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A01K 89/01917

{Reverse threaded screw}

Definition statement

This subgroup covers:

Subject matter wherein the drive mechanism linkage includes at least one shaft and right and left hand helical grooves merged together at each end to receive a follower connected to the guide so that rotation of the shaft by the drive mechanism imparts reciprocating motion to the guide.

A01K 89/01918

{Guide shiftable between wind and unwind positions}

Definition statement

This subgroup covers:

Subject matter wherein the line guide is shiftable with respect to the linear path of reciprocation, to reduce or eliminate contact between the guide and line during unwinding.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Fishing reels having guiding members shiftable between winding and unwinding positions	A01K 89/01029 , A01K 89/01082 , A01K 89/01086 , A01K 89/01087 , A01K 89/0176 , A01K 89/01918
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A01K 89/01919

{Guide having line removal opening}

Definition statement

This subgroup covers:

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Subject matter wherein the reciprocated line guide has a passage through which the line is laterally removable.

A01K 89/0192

{Frame details}

Definition statement

This subgroup covers:

Subject matter including details of the frame of the reel.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Details of the frame of a fishing reel with pick-up

A01K 89/01121

A01K 89/01921

{Frame disassembly features}

Definition statement

This subgroup covers:

Subject matter wherein the frame is provided with at least one of: (a) quick release fastening means, (b) special disassembly access to parts, and (c) special support of parts during disassembly that facilitate reassembly.

A frame connected by a series of usual threaded fasteners is not sufficient to warrant classification in this subgroup. However, more than two frame components retained by a single threaded end cap, e.g., would be considered quick release fastening means and would be sufficient.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Frame disassembly features of a fishing reel with pick-up

A01K 89/01123

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A01K 89/01922

{Hinged frame sections}

Definition statement

This subgroup covers:

Subject matter wherein the reel frame includes major frame components connected together by a pivotal connection.

A01K 89/01923

{Rotated joints}

Definition statement

This subgroup covers:

Subject matter wherein the reel frame supports a spool between a pair of end plates, at least one of which is connected to the frame by a joint (e.g. bayonet or keyhole) that is releasable upon rotation of the end plate about its axis.

A01K 89/01924

{Threaded}

Definition statement

This subgroup covers:

Subject matter wherein the joint includes a spiral thread-like coupling.

A01K 89/01925

{Reel supports, e.g. reel feet}

Definition statement

This subgroup covers:

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Subject matter wherein the frame includes a bracket for mounting the reel on a fishing rod.

A01K 89/01928

{with line or water shields}

Definition statement

This subgroup covers:

Subject matter wherein the frame includes a gasket-like obstruction, seal, or structure providing a tortuous course to block the intrusion of foreign matter (e.g., water, dirt, or grit) into the interior of the reel.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Line or water shield in a fishing reel with pick-up	A01K 89/011221
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A01K 89/01929

{with lubrication features}

Definition statement

This subgroup covers:

Subject matter wherein the frame includes a device for facilitating the application of lubricant to a movable part of the reel.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Lubrication feature of a fishing reel with pick-up	A01K 89/011222
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A01K 89/0193

{with bearing features}

Definition statement

This subgroup covers:

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Subject matter wherein including details of a bearing between the frame and a movable element of the reel.

A01K 89/01931

{Spool or spool shaft details (spool details in reel with pick-up [A01K 89/0111](#))}

Definition statement

This subgroup covers:

Subject matter including details of the spool.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Spool, per se.	B65H 75/14
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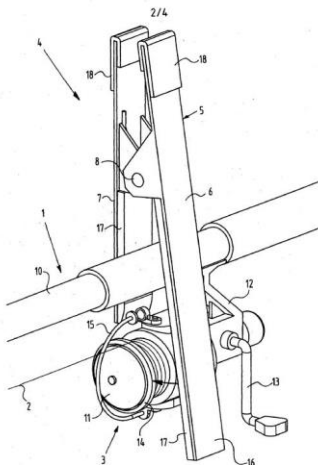
A01K 89/02

Brake devices for reel

Definition statement

This subgroup covers:

Subject matter having a device (i.e., brake) for retarding or selectively preventing rotation of a reel part, e.g., the spool.



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Informative references

Attention is drawn to the following places, which may be of interest for search:

Brake in other winding devices	B65H 59/04
Brakes in a general purpose reel	H02G 11/02
Brake in general use	F16D 65/22
Brake in a general use reel	B65H 75/4442
Brake in a haulage device, e.g. winch	B66D 1/14

A01K 89/027

with pick-up, {i.e. for reels with the guiding member rotating and the spool not rotating during normal retrieval of the line}

Definition statement

This subgroup covers:

Subject matter wherein the reel includes a rotatably driven guiding member and a drive device (e.g., hand crank or motor) for rotating the guiding member, the fishing line engaging the guiding member and the guiding member rotating around the spool so as to wrap the line on spool while the spool is held against rotation relative to the frame of the reel. The spool may move in other ways, e.g., it reciprocate along an axis of rotation of the guiding member to distribute the fishing line along the spool. The reel part whose rotation is retarded or prevented by the device for retarding may be the guiding member or drive device.

A01K 89/0275

{with closed face}

Definition statement

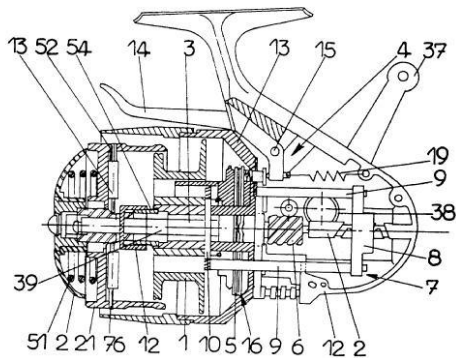
This group covers:

Subject matter wherein the frame of the reel includes a cover substantially enclosing the spool.

Illustrative example of subject matter classified in this group.

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A01K 89/028

{Continuously applied (for closed face reels [A01K89/0275](#))}

Definition statement

This subgroup covers:

Subject matter wherein the brake is continuously applied to prevent rotation of the reel part below a predetermined torque.

A01K 89/029

{between spool shaft and frame}

Definition statement

This subgroup covers:

Subject matter wherein the brake is continuously applied between a rotatable spindle supporting the spool and the frame.

A01K 89/03

{between spool and spool shaft}

Definition statement

This subgroup covers:

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Subject matter wherein the brake is applied between the spool and a nonrotatable spindle on which the spool is carried.

A01K 89/033

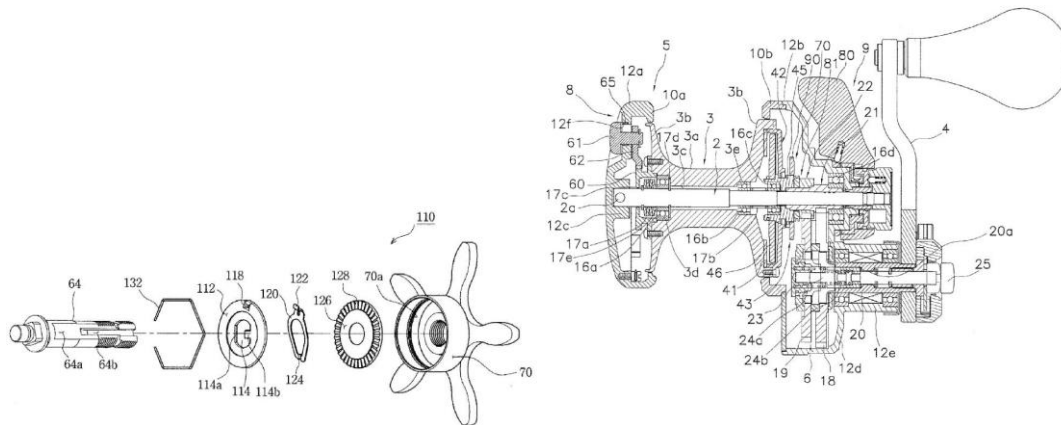
with {a} rotary drum {, i.e. for reels with a rotating spool (Antibacklash devices A01K89/0155)}

Definition statement

This subgroup covers:

Subject matter wherein the drive device rotates the spool to wind the fishing line thereon.

Illustrative example of subject matter classified in this group.



A01K 89/045

{Spool bearing brake}

Definition statement

This subgroup covers:

Subject matter wherein the brake applies a relatively light retarding force to a bearing that supports the spool or to the end of a spool shaft to dampen rotation of the spool. The inherent retarding effect of a typical thrust bearing is disregarded.

Informative references

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Attention is drawn to the following places, which may be of interest for search:

General purpose brake adjustment device	F16D 65/22
Bearing used in various fields	F16C 33/00

A01K 89/046

{Manual pressure control}

Definition statement

This subgroup covers:

Subject matter wherein either (a) the brake includes a manually engageable actuator to selectively apply a retarding force to the spool that is in proportion to the manual force applied to the actuator, or (b) special access is provided for the user's thumb or finger to directly apply a retarding force to the spool.

A01K 89/047

{Radially applied}

Definition statement

This subgroup covers:

Subject matter wherein the brake is pressed against a rotatable element of the reel to apply a force thereto in a direction substantially perpendicular to the axis of rotation of the rotatable element in order to generate the retarding force. The rotatable element may be the spool.

A01K 89/048

{Rolling contact}

Definition statement

This subgroup covers:

Subject matter wherein the brake has a rotatable shoe engageable with the rotatable element to apply the retarding force thereto. The rotatable element is the spool or an element rotatable with the spool.

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A01K 89/049

{Separable attachments}

Definition statement

This subgroup covers:

Subject matter wherein the brake is readily attachable to and removable from the reel without substantial structural modification of the reel.

A01K 89/05

{Brakes connected to the spool by one-way clutch}

Definition statement

This subgroup covers:

Subject matter wherein the brake is connected to the spool through an overrunning clutch that acts to drivingly connect the spool to the brake only in the unwinding direction of the spool.

A01K 89/051

{Adjustable pressure pawls, e.g. braking clickers}

Definition statement

This subgroup covers:

Subject matter wherein the brake is an elongated, pawl-like member, commonly called a clicker, and the reel part that is retarded or prevented from rotating thereby is a toothed sprocket or gear and wherein the reel includes a device to adjust the pressure with which the pawl-like member bears against the toothed sprocket or gear.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Clicker that produces braking incidental to providing an audible signal

A01K 89/0123 , A01K 89/0179
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A01K 89/052**{Positive}****Definition statement***This subgroup covers:*

Subject matter wherein the brake, in at least one position, prevents any rotation of the spool in the winding or unwinding direction.

A01K 89/053**{One-way}****Definition statement***This subgroup covers:*

Subject matter wherein the brake, in one position, prevents rotation in only one direction.

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Fishing reel with pick-up having a mechanism that allows rotation of a guiding member in only one direction	A01K 89/0117
Ratchet device	B25B 13/462
General purpose, one-way brake	F16F 9/12

A01K 89/054**{with disabler}****Definition statement***This subgroup covers:*

Subject matter including an actuator to shift the brake to a non-operating position.

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A01K 89/055

{Rotation responsive}

Definition statement

This subgroup covers:

Subject matter wherein the actuator shifts the brake to the non-operating position in response to rotation of the drive device.

A01K 89/056

{Radially engaged}

Definition statement

This subgroup covers:

Subject matter wherein the brake applies a force in a direction perpendicular to the axis of rotation of the spool in order to retard or prevent rotation of the reel part.

A01K 89/057

{Axially engaged}

Definition statement

This subgroup covers:

Subject matter wherein the brake applies a force in a direction parallel to the axis of the spool in order to retard or prevent rotation of the reel part.

A01K 89/058

{Coaxial with spool}

Definition statement

This subgroup covers:

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Subject matter wherein the brake is applied along an axis of application which is also the axis of rotation of the spool.

A01K 89/059

{on adjustable lever}

Definition statement

This subgroup covers:

Subject matter wherein the brake is mounted on a pivotally mounted lever.

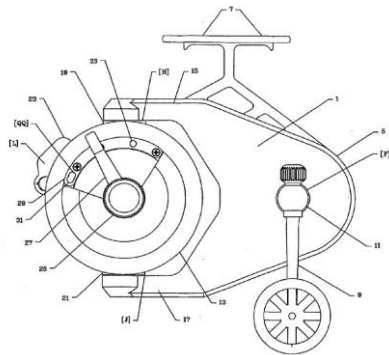
A01K89/06

Reversible reels, {i.e. with spool axis shiftable between winding and unwinding positions}

Definition statement

This group covers:

Subject matter wherein the spool is movable relative to the frame between a casting (unwinding) position and a fishing position. The spool is in the fishing position during winding of the fishing line thereon.



A01K89/08

Pole-less fishing apparatus, i.e. hand-held reels

Definition statement

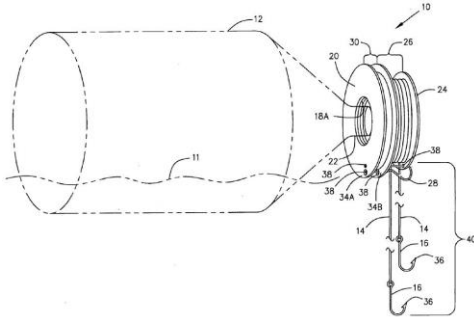
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This group covers:

Subject matter wherein the reel is configured to be used for fishing without being mounted on a fishing pole.

Illustrative example of subject matter classified in this group.



A01K89/081

{Axial unwinding}

Definition Statement

This group covers:

Subject matter wherein the line unwinds by spinning over a discharge end of the spool.

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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
A01K89/00	Definition Statement		Delete Image
A01K89/0114	Definition Statement		Delete Image
A01K89/0117	Definition Statement		Delete Image
A01K89/012	Definition Statement		Delete Image
A01K89/015	Definition Statement		Delete Image
A01K89/016	Definition Statement		Delete Image
A01K89/017	Definition Statement		Delete Images
A01K89/027	Definition Statement		Delete Image

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
	A01K 89/00	A01K 89/00
		A01K 89/004
	A01K 89/006	A01K 89/006
		A01K 89/009
	A01K 89/01	A01K 89/01
		A01K 89/0106
		A01K 89/01121
		A01K 89/011221 – A01K 89/011223
		A01K 89/01123 – A01K 89/01127
		A01K 89/0113
		A01K 89/0122 – A01K 89/0125
		A01K 89/0126
	A01K 89/0102	A01K 89/0102
		A01K 89/01025
		A01K 89/01026
		A01K 89/01029
	A01K 89/0108	A01K 89/0108
		A01K 89/01081 – A01K 89/01088
	A01K 89/0114	A01K 89/0114
		A01K 89/01141 – A01K 89/01143
	A01K 89/0117	A01K 89/0117
		A01K 89/0118
	A01K 89/012	A01K 89/012
		A01K 89/0121
	A01K 89/015	A01K 89/015
		A01K 89/0175 – A01K 89/0176
		A01K 89/0178 – A01K 89/0179
		A01K 89/018
		A01K 89/0181
		A01K 89/0182
		A01K 89/0183 – A01K 89/0189
		A01K 89/01901 – A01K 89/01909
		A01K 89/0191
		A01K 89/01911 - A01K 89/01912
		A01K 89/019125
		A01K 89/01913 – A01K 89/01919
		A01K 89/0192
		A01K 89/01921 – A01K 89/01925
		A01K 89/01928 – A01K 89/01929
		A01K 89/0193
		A01K 89/01931
	A01K 89/0155	A01K 89/0155
		A01K 89/01556 – A01K 89/01557
	A01K 89/016	A01K 89/016

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
		A01K 89/0162
	A01K 89/017	A01K 89/017
		A01K 89/0171 – A01K 89/0174
	A01K 89/027	A01K 89/027
		A01K 89/028 – A01K 89/029
		A01K 89/03
	A01K 89/033	A01K 89/033
		A01K 89/045 – A01K 89/049
		A01K 89/05
		A01K 89/051 – A01K 89/059
	A01K 89/08	A01K 89/08
		A01K 89/081

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries.

NOTES:

- Only C, D, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A01K 89/004	A01K 89/00	NEW
A01K 89/009	A01K 89/00	NEW
A01K 89/01025	A01K 89/01	NEW
A01K 89/01026	A01K 89/01	NEW
A01K 89/01029	A01K 89/01	NEW
A01K 89/0106	A01K 89/01	NEW
A01K 89/01081	A01K 89/01	NEW
A01K 89/01082	A01K 89/01	NEW
A01K 89/01083	A01K 89/01	NEW
A01K 89/01084	A01K 89/01	NEW
A01K 89/01085	A01K 89/01	NEW
A01K 89/01086	A01K 89/01	NEW
A01K 89/01087	A01K 89/01	NEW
A01K 89/01088	A01K 89/01	NEW
A01K 89/01121	A01K 89/01	NEW
A01K 89/011221	A01K 89/01	NEW
A01K 89/011222	A01K 89/01	NEW
A01K 89/011223	A01K 89/01	NEW
A01K 89/01123	A01K 89/01	NEW
A01K 89/01124	A01K 89/01	NEW
A01K 89/01125	A01K 89/01	NEW
A01K 89/01126	A01K 89/01	NEW
A01K 89/01127	A01K 89/01	NEW
A01K 89/0113	A01K 89/01	NEW
A01K 89/01141	A01K 89/01	NEW
A01K 89/01142	A01K 89/01	NEW
A01K 89/01143	A01K 89/01	NEW
A01K 89/0118	A01K 89/01	NEW
A01K 89/0121	A01K 89/012	NEW
A01K 89/0122	A01K 89/01	NEW
A01K 89/0123	A01K 89/01	NEW
A01K 89/0124	A01K 89/01	NEW
A01K 89/0125	A01K 89/01	NEW
A01K 89/0126	A01K 89/01	NEW
A01K 89/01556	A01K 89/0155	NEW
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A01K 89/0162	A01K 89/016	NEW
A01K 89/0171	A01K 89/017	NEW
A01K 89/0172	A01K 89/017	NEW
A01K 89/0173	A01K 89/017	NEW
A01K 89/0174	A01K 89/017	NEW
A01K 89/0175	A01K 89/015	NEW
A01K 89/0176	A01K 89/015	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A01K 89/0178	A01K 89/015	NEW
A01K 89/0179	A01K 89/015	NEW
A01K 89/018	A01K 89/015	NEW
A01K 89/0181	A01K 89/015	NEW
A01K 89/0182	A01K 89/015	NEW
A01K 89/0183	A01K 89/015	NEW
A01K 89/0184	A01K 89/015	NEW
A01K 89/0185	A01K 89/015	NEW
A01K 89/0186	A01K 89/015	NEW
A01K 89/0187	A01K 89/015	NEW
A01K 89/0188	A01K 89/015	NEW
A01K 89/0189	A01K 89/015	NEW
A01K 89/01901	A01K 89/015	NEW
A01K 89/01902	A01K 89/015	NEW
A01K 89/01903	A01K 89/015	NEW
A01K 89/01904	A01K 89/015	NEW
A01K 89/01905	A01K 89/015	NEW
A01K 89/01906	A01K 89/015	NEW
A01K 89/01907	A01K 89/015	NEW
A01K 89/01908	A01K 89/015	NEW
A01K 89/01909	A01K 89/015	NEW
A01K 89/0191	A01K 89/015	NEW
A01K 89/01911	A01K 89/015	NEW
A01K 89/01912	A01K 89/015	NEW
A01K 89/019125	A01K 89/015	NEW
A01K 89/01913	A01K 89/015	NEW
A01K 89/01914	A01K 89/015	NEW
A01K 89/01915	A01K 89/015	NEW
A01K 89/01916	A01K 89/015	NEW
A01K 89/01917	A01K 89/015	NEW
A01K 89/01918	A01K 89/015	NEW
A01K 89/01919	A01K 89/015	NEW
A01K 89/0192	A01K 89/015	NEW
A01K 89/01921	A01K 89/015	NEW
A01K 89/01922	A01K 89/015	NEW
A01K 89/01923	A01K 89/015	NEW
A01K 89/01924	A01K 89/015	NEW
A01K 89/01925	A01K 89/015	NEW
A01K 89/01928	A01K 89/015	NEW
A01K 89/01929	A01K 89/015	NEW
A01K 89/0193	A01K 89/015	NEW
A01K 89/01931	A01K 89/015	NEW
A01K 89/028	A01K 89/027	NEW
A01K 89/029	A01K 89/027	NEW
A01K 89/03	A01K 89/027	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A01K 89/045	A01K 89/033	NEW
A01K 89/046	A01K 89/033	NEW
A01K 89/047	A01K 89/033	NEW
A01K 89/048	A01K 89/033	NEW
A01K 89/049	A01K 89/033	NEW
A01K 89/05	A01K 89/033	NEW
A01K 89/051	A01K 89/033	NEW
A01K 89/052	A01K 89/033	NEW
A01K 89/053	A01K 89/033	NEW
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A01K 89/056	A01K 89/033	NEW
A01K 89/057	A01K 89/033	NEW
A01K 89/058	A01K 89/033	NEW
A01K 89/059	A01K 89/033	NEW
A01K 89/081	A01K 89/08	NEW
A01K 89/004	A01K 89/00	NEW
A01K 89/009	A01K 89/00	NEW
A01K 89/01025	A01K 89/01	NEW
A01K 89/01026	A01K 89/01	NEW
A01K 89/01029	A01K 89/01	NEW
A01K 89/0106	A01K 89/01	NEW
A01K 89/01081	A01K 89/01	NEW
A01K 89/01082	A01K 89/01	NEW
A01K 89/01083	A01K 89/01	NEW
A01K 89/01084	A01K 89/01	NEW
A01K 89/01085	A01K 89/01	NEW
A01K 89/01086	A01K 89/01	NEW
A01K 89/01087	A01K 89/01	NEW
A01K 89/01088	A01K 89/01	NEW
A01K 89/01121	A01K 89/01	NEW
A01K 89/011221	A01K 89/01	NEW
A01K 89/011222	A01K 89/01	NEW
A01K 89/011223	A01K 89/01	NEW
A01K 89/01123	A01K 89/01	NEW
A01K 89/01124	A01K 89/01	NEW
A01K 89/01125	A01K 89/01	NEW
A01K 89/01126	A01K 89/01	NEW
A01K 89/01127	A01K 89/01	NEW
A01K 89/0113	A01K 89/01	NEW
A01K 89/01141	A01K 89/01	NEW
A01K 89/01142	A01K 89/01	NEW
A01K 89/01143	A01K 89/01	NEW
A01K 89/0118	A01K 89/01	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A01K 89/0121	A01K 89/012	NEW
A01K 89/0122	A01K 89/01	NEW
A01K 89/0123	A01K 89/01	NEW
A01K 89/0124	A01K 89/01	NEW
A01K 89/0125	A01K 89/01	NEW
A01K 89/0126	A01K 89/01	NEW
A01K 89/01556	A01K 89/0155	NEW
A01K 89/01557	A01K 89/0155	NEW
A01K 89/0162	A01K 89/016	NEW
A01K 89/0171	A01K 89/017	NEW
A01K 89/0172	A01K 89/017	NEW
A01K 89/0173	A01K 89/017	NEW
A01K 89/0174	A01K 89/017	NEW
A01K 89/0175	A01K 89/015	NEW
A01K 89/0176	A01K 89/015	NEW
A01K 89/0178	A01K 89/015	NEW
A01K 89/0179	A01K 89/015	NEW
A01K 89/018	A01K 89/015	NEW
A01K 89/0181	A01K 89/015	NEW
A01K 89/0182	A01K 89/015	NEW
A01K 89/0183	A01K 89/015	NEW
A01K 89/0184	A01K 89/015	NEW
A01K 89/0185	A01K 89/015	NEW
A01K 89/0186	A01K 89/015	NEW
A01K 89/0187	A01K 89/015	NEW
A01K 89/0188	A01K 89/015	NEW
A01K 89/0189	A01K 89/015	NEW
A01K 89/01901	A01K 89/015	NEW
A01K 89/01902	A01K 89/015	NEW
A01K 89/01903	A01K 89/015	NEW
A01K 89/01904	A01K 89/015	NEW
A01K 89/01905	A01K 89/015	NEW
A01K 89/01906	A01K 89/015	NEW
A01K 89/01907	A01K 89/015	NEW
A01K 89/01908	A01K 89/015	NEW
A01K 89/01909	A01K 89/015	NEW
A01K 89/0191	A01K 89/015	NEW
A01K 89/01911	A01K 89/015	NEW
A01K 89/01912	A01K 89/015	NEW
A01K 89/019125	A01K 89/015	NEW
A01K 89/01913	A01K 89/015	NEW
A01K 89/01914	A01K 89/015	NEW
A01K 89/01915	A01K 89/015	NEW
A01K 89/01916	A01K 89/015	NEW

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DATE: MAY 1, 2015

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A01K 89/01917	A01K 89/015	NEW
A01K 89/01918	A01K 89/015	NEW
A01K 89/01919	A01K 89/015	NEW
A01K 89/0192	A01K 89/015	NEW
A01K 89/01921	A01K 89/015	NEW
A01K 89/01922	A01K 89/015	NEW
A01K 89/01923	A01K 89/015	NEW
A01K 89/01924	A01K 89/015	NEW
A01K 89/01925	A01K 89/015	NEW
A01K 89/01928	A01K 89/015	NEW
A01K 89/01929	A01K 89/015	NEW
A01K 89/0193	A01K 89/015	NEW
A01K 89/01931	A01K 89/015	NEW
A01K 89/028	A01K 89/027	NEW
A01K 89/029	A01K 89/027	NEW
A01K 89/03	A01K 89/027	NEW
A01K 89/045	A01K 89/033	NEW
A01K 89/046	A01K 89/033	NEW
A01K 89/047	A01K 89/033	NEW
A01K 89/048	A01K 89/033	NEW
A01K 89/049	A01K 89/033	NEW
A01K 89/05	A01K 89/033	NEW
A01K 89/051	A01K 89/033	NEW
A01K 89/052	A01K 89/033	NEW
A01K 89/053	A01K 89/033	NEW
A01K 89/054	A01K 89/033	NEW
A01K 89/055	A01K 89/033	NEW
A01K 89/056	A01K 89/033	NEW
A01K 89/057	A01K 89/033	NEW
A01K 89/058	A01K 89/033	NEW
A01K 89/059	A01K 89/033	NEW
A01K 89/081	A01K 89/08	NEW

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with "NEW."
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with "UPDATED."
- For a (D) CPC entry or indexing entry complete the Action column with "DELETE." IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with "NEW".
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with "CPCONLY" and complete the action column with "NEW".

NOTES:

- F symbols are not included in the CIKL table above.
- E and M symbols are not included in the CIKL table above unless a change to the existing IPC is desired.