EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 673

DATE: MAY 1, 2019

PROJECT RP0162

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

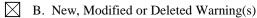| Action	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	H03M	3/334, 3/336
	H03M	2201/00, 2201/01, 2201/02, 2201/03, 2201/10, 2201/11, 2201/1109, 2201/1118, 2201/1127, 2201/1136, 2201/1145, 2201/1154, 2201/1163, 2201/1172, 2201/1181, 2201/119, 2201/12, 2201/122, 2201/124, 2201/126, 2201/128, 2201/13, 2201/14, 2201/145, 2201/16, 2201/162, 2201/165, 2201/167, 2201/17, 2201/173, 2201/176, 2201/19, 2201/192, 2201/194, 2201/196, 2201/198, 2201/20, 2201/21, 2201/2103, 2201/2107, 2201/2111, 2201/2114, 2201/2118, 2201/2122, 2201/2125, 2201/2129, 2201/2133, 2201/2137, 2201/214, 2201/2144, 2201/2148, 2201/2151, 2201/2155, 2201/2159, 2201/2162, 2201/2166, 2201/217, 2201/2174, 2201/2177, 2201/2181, 2201/2185, 2201/2188, 2201/2192, 2201/2196, 2201/22, 2201/2208, 2201/2216, 2201/2225, 2201/2233, 2201/2241, 2201/225, 2201/2258, 2201/2266, 2201/2275, 2201/2283, 2201/2291, 2201/23, 2201/2305, 2201/2311, 2201/2316, 2201/2322, 2201/2327, 2201/2333, 2201/2338, 2201/2344, 2201/235, 2201/2355, 2201/2361, 2201/2366, 2201/2372, 2201/2377, 2201/2383, 2201/2388, 2201/2394, 2201/24, 2201/241, 2201/243, 2201/245, 2201/246, 2201/248, 2201/30, 2201/31, 2201/3105, 2201/311, 2201/3115, 2201/3121, 2201/3126, 2201/3131, 2201/3136, 2201/3142, 2201/3147, 2201/3152, 2201/3157, 2201/3163, 2201/3168, 2201/3173, 2201/3178, 2201/3184, 2201/3189, 2201/3194, 2201/32, 2201/322, 2201/324, 2201/326, 2201/328, 2201/33, 2201/40, 2201/41, 2201/4105, 2201/411, 2201/4115, 2201/412, 2201/4125, 2201/413, 2201/4135, 2201/414, 2201/4145, 2201/415, 2201/4155, 2201/416, 2201/4165, 2201/417, 2201/4175, 2201/418, 2201/4185, 2201/419, 2201/4195, 2201/42, 2201/4204, 2201/4208, 2201/4212, 2201/4216, 2201/422, 2201/4225, 2201/4229, 2201/4233, 2201/4237, 2201/4241, 2201/4245, 2201/425, 2201/4254, 2201/4258, 2201/4262, 2201/4266, 2201/427, 2201/4275, 2201/4279, 2201/4283, 2201/4287, 2201/4291, 2201/4295, 2201/50, 2201/51, 2201/512, 2201/514, 2201/516, 2201/518, 2201/52, 2201/521, 2201/522, 2201/523, 2201/524, 2201/525, 2201/526, 2201/527, 2201/528, 2201/53, 2201/531, 2201/532, 2201/533, 2201/534, 2201/535, 2201/536, 2201/537, 2201/538, 2201/539, 2201/60, 2201/61, 2201/6107, 2201/6114, 2201/6121, 2201/6128, 2201/6135, 2201/6142, 2201/615, 2201/6157, 2201/6164, 2201/6171, 2201/6178, 2201/6185, 2201/6192, 2201/62, 2201/622, 2201/625, 2201/627, 2201/63, 2201/6309, 2201/6318, 2201/6327,

		2201/6336, 2201/6345, 2201/6354, 2201/6363, 2201/6372, 2201/6381, 2201/639, 2201/64, 2201/641, 2201/642, 2201/643, 2201/644, 2201/645, 2201/646, 2201/647, 2201/648, 2201/65, 2201/652, 2201/655, 2201/657, 2201/70, 2201/71, 2201/711, 2201/712, 2201/713, 2201/714, 2201/715, 2201/716, 2201/717, 2201/718, 2201/72, 2201/721, 2201/722, 2201/723, 2201/725, 2201/726, 2201/727, 2201/728, 2201/73, 2201/75, 2201/76, 2201/77, 2201/78, 2201/79, 2201/80, 2201/81, 2201/8104, 2201/8108, 2201/8112, 2201/8116, 2201/812, 2201/8124, 2201/8128, 2201/8132, 2201/8136, 2201/814, 2201/8144, 2201/8148, 2201/8152, 2201/8156, 2201/816, 2201/8164, 2201/8168, 2201/8172, 2201/8176, 2201/818, 2201/8184, 2201/8188, 2201/8192, 2201/8196, 2201/82, 2201/822, 2201/825, 2201/827, 2201/83, 2201/831, 2201/832, 2201/834, 2201/835, 2201/837, 2201/838, 2201/84, 2201/841, 2201/842, 2201/843, 2201/844, 2201/845, 2201/846, 2201/847, 2201/848, 2201/849, 2201/85, 2201/853, 2201/856, 2201/90, 2201/91, 2201/915, 2201/93, 2201/931, 2201/932, 2201/933, 2201/934, 2201/935, 2201/936, 2201/937, 2201/938
Symbols New:	H03M	3/3283, 3/3287
Notes Deleted:	H03M	1/00, 2201/80
Notes New:	H03M	3/44
Notes Modified:	H03M	3/478
DEFINITIONS:		
Definitions Modified:	H03M	1/00, 3/00

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(s)

      ☒ C. New, Modified or Deleted Note(s)

      ☐ D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

      ☒ A. New or Modified Definitions (Full definition template)

      ☒ B. Modified or Deleted Definitions (Definitions Quick Fix)

3. ☒ REVISION CONCORDANCE LIST (RCL)

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

5. ☐ CHANGES TO THE CROSS-REFERENCE LIST (CRL)

1.   CLASSIFICATION SCHEME CHANGES

   A.   New, Modified or Deleted Group(s)

SUBCLASS H03M – DELTA-SIGMA MODULATION

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
U	H03M 3/326	4	{by averaging out the errors}	\<no transfer\>
U	H03M 3/328	5	{using dither}	\<no transfer\>
N	H03M 3/3283	6	{the dither being in the time domain}	\<no transfer\>
N	H03M 3/3287	6	{the dither being at least partially dependent on the input signal}	\<no transfer\>
U	H03M 3/33	6	{the dither being a random signal}	\<no transfer\>
D	H03M 3/334	6	{the dither being at least partially dependent on the input signal}	\<administrative transfer to H03M 3/3287\>
D	H03M 3/336	6	{the dither being in the time domain}	\<administrative transfer to H03M 3/3283\>
D	H03M2201/00	0	Indexing scheme relating to A/D or D/A conversion	\<no transfer\>
D	H03M2201/01	1	First edition	\<no transfer\>
D	H03M2201/02	1	Second edition	\<no transfer\>
D	H03M2201/03	1	Third edition	\<no transfer\>
D	H03M2201/10	1	Conversion systems	\<no transfer\>
D	H03M2201/11	2	A/D conversion systems	\<no transfer\>
D	H03M2201/1109	3	Servo-systems for A/D conversion	\<no transfer\>
D	H03M2201/1118	4	without D/A converter in feedback [3]	\<no transfer\>
D	H03M2201/1127	4	in which the digital generator is adjusted in a predetermined direction regardless of the sign of the error	\<no transfer\>
D	H03M2201/1136	4	with auxiliary A/D conversion of the error signal	\<no transfer\>
D	H03M2201/1145	4	with intermediate conversion of the error to frequency [2]	\<no transfer\>
D	H03M2201/1154	4	using a counter as digital generator	\<no transfer\>
D	H03M2201/1163	5	the counter being a reversible one	\<no transfer\>
D	H03M2201/1172	3	Subranging, i.e. conversion in steps each delivering plural digits of the output signal [2]	\<no transfer\>
D	H03M2201/1181	4	with scaling between the steps [2]	\<no transfer\>
D	H03M2201/119	4	using an auxiliary D/A converter [2]	\<no transfer\>
D	H03M2201/12	2	D/A conversion systems	\<no transfer\>
D	H03M2201/122	3	Servo-systems for D/A conversion	\<no transfer\>
D	H03M2201/124	4	in which the analogue generator is adjusted in a predetermined direction regardless of the sign of the error	\<no transfer\>
D	H03M2201/126	4	with auxiliary D/A conversion of the error signal	\<no transfer\>
D	H03M2201/128	4	using a servomotor as analogue generator	\<no transfer\>

CPC NOTICE OF CHANGES 673

DATE: MAY 1, 2019

PROJECT RP0162

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D	H03M2201/13	2	A/D convertible into D/A	\<no transfer\>
D	H03M2201/14	2	Scale factor modification	\<no transfer\>
D	H03M2201/145	3	using an auxiliary D/A or A/D converter [2]	\<no transfer\>
D	H03M2201/16	2	Coarse and fine conversions	\<no transfer\>
D	H03M2201/162	3	by interpolation other than subranging [2]	\<no transfer\>
D	H03M2201/165	4	Vernier or Nonius type interpolation [3]	\<no transfer\>
D	H03M2201/167	3	with overlapping ranges	\<no transfer\>
D	H03M2201/17	2	Multiplexing	\<no transfer\>
D	H03M2201/173	3	Timesharing, i.e. using a single converter or part for multiple channels [3]	\<no transfer\>
D	H03M2201/176	3	Interleaving, i.e. using multiple converters or parts for one channel [3]	\<no transfer\>
D	H03M2201/19	2	Applications [H]	\<no transfer\>
D	H03M2201/192	3	Measuring systems	\<no transfer\>
D	H03M2201/194	3	Control systems	\<no transfer\>
D	H03M2201/196	3	Communications systems	\<no transfer\>
D	H03M2201/198	3	Computing systems	\<no transfer\>
D	H03M2201/20	1	A/D converters	\<no transfer\>
D	H03M2201/21	2	Digital pattern reading type	\<no transfer\>
D	H03M2201/2103	3	Characteristics of the coding [H]	\<no transfer\>
D	H03M2201/2107	4	Providing an absolute position [3]	\<no transfer\>
D	H03M2201/2111	5	using a pure representation	\<no transfer\>
D	H03M2201/2114	5	with denominational arrangement	\<no transfer\>
D	H03M2201/2118	5	on one track [3]	\<no transfer\>
D	H03M2201/2122	5	with plural readers per track [2]	\<no transfer\>
D	H03M2201/2125	4	Providing an incremental position	\<no transfer\>
D	H03M2201/2129	5	with additional synchronisation marks	\<no transfer\>
D	H03M2201/2133	5	with directional discrimination	\<no transfer\>
D	H03M2201/2137	4	Providing real and complementary signals	\<no transfer\>
D	H03M2201/214	4	Anti-ambiguity arrangements	\<no transfer\>
D	H03M2201/2144	5	V-arrangement of readers [2]	\<no transfer\>
D	H03M2201/2148	3	Characteristics of the pattern carriers of readers [H]	\<no transfer\>
D	H03M2201/2151	4	Type of pattern carrier or reader means	\<no transfer\>
D	H03M2201/2155	5	Mechanical	\<no transfer\>
D	H03M2201/2159	5	Switches; commutators	\<no transfer\>
D	H03M2201/2162	6	formed by a printed circuit pattern	\<no transfer\>
D	H03M2201/2166	5	Cathodes ray tubes	\<no transfer\>
D	H03M2201/217	5	Capacitive	\<no transfer\>
D	H03M2201/2174	5	Magnetic	\<no transfer\>
D	H03M2201/2177	6	using a recorded pattern	\<no transfer\>
D	H03M2201/2181	6	using variable reluctance	\<no transfer\>
D	H03M2201/2185	5	Photoelectric	\<no transfer\>
D	H03M2201/2188	6	by generating an interference pattern [2]	\<no transfer\>
D	H03M2201/2192	5	Radiation other than visible light	\<no transfer\>
D	H03M2201/2196	4	Constructional details	\<no transfer\>
D	H03M2201/22	2	Analogue comparing type	\<no transfer\>

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D	H03M2201/2208	3	with separate comparision for each quantization level	<no transfer>
D	H03M2201/2216	4	with parallel operation, i.e. flash type [2]	<no transfer>
D	H03M2201/2225	3	with separate comparison for each denomination [3]	<no transfer>
D	H03M2201/2233	4	with serial operation, i.e. successive approximation type	<no transfer>
D	H03M2201/2241	5	using a single stage	<no transfer>
D	H03M2201/225	5	using plural stages	<no transfer>
D	H03M2201/2258	6	with free-running operation [2]	<no transfer>
D	H03M2201/2266	5	in which the reference is modified at each step or stage	<no transfer>
D	H03M2201/2275	5	in which the input is modified at each step or stage	<no transfer>
D	H03M2201/2283	6	with scaling between the steps or stages	<no transfer>
D	H03M2201/2291	5	with auxiliary D/A converter	<no transfer>
D	H03M2201/23	2	Intermediate conversion to time interval type	<no transfer>
D	H03M2201/2305	3	in which a reference signal sweeps through the range of possible values	<no transfer>
D	H03M2201/2311	4	using a continuously varying analogue reference signal, e.g. a sawtooth signal	<no transfer>
D	H03M2201/2316	5	in which the digital signal is produced from the reference signal by an auxiliary A/D converter	<no transfer>
D	H03M2201/2322	4	using a stepwise varying analogue reference signal, e.g. a staircase signal	<no transfer>
D	H03M2201/2327	5	in which the reference signal is produced by stepwise charging or discharging a capacitor	<no transfer>
D	H03M2201/2333	5	in which the reference signal is produced from the digital generator using an auxiliary D/A converter	<no transfer>
D	H03M2201/2338	3	in which the input signal or a signal derived therefrom is reduced or increased until a predetermined reference value is reached	<no transfer>
D	H03M2201/2344	4	the input signal or its derivative varying continuously	<no transfer>
D	H03M2201/235	5	Single slope type [3]	<no transfer>
D	H03M2201/2355	5	Dual slope type, i.e. charge balancing type [3]	<no transfer>
D	H03M2201/2361	4	the input signal or its derivative varying stepwise	<no transfer>
D	H03M2201/2366	3	with intermediate conversion to pulse width [3]	<no transfer>
D	H03M2201/2372	3	with intermediate conversion to phase or time of phase reversal	<no transfer>
D	H03M2201/2377	3	Input sampling without holding [3]	<no transfer>
D	H03M2201/2383	3	Input sampling combined with integration [2]	<no transfer>
D	H03M2201/2388	3	the time interval consisting of multiple subintervals [2]	<no transfer>
D	H03M2201/2394	3	Interval or phase digitising without counting [2]	<no transfer>
D	H03M2201/24	2	Intermediate conversion to pulse frequency type	<no transfer>
D	H03M2201/241	3	using a free running oscillator [2]	<no transfer>
D	H03M2201/243	3	using a reset integrator [2]	<no transfer>

CPC Form – v.5

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	H03M2201/245	3	using a unit discharge integrator, i.e. charge balancing type [2]	<no transfer>
D	H03M2201/246	3	using a clock operated generator [2]	<no transfer>
D	H03M2201/248	3	using a reversible counter [2]	<no transfer>
D	H03M2201/30	1	D/A converters	<no transfer>
D	H03M2201/31	2	Selection, addition or subtraction of quantisation values	<no transfer>
D	H03M2201/3105	3	Successive addition or subtraction of selected values	<no transfer>
D	H03M2201/311	4	with plural stages	<no transfer>
D	H03M2201/3115	3	Simultaneous addition or subtraction of selected values	<no transfer>
D	H03M2201/3121	4	the values having different weights [3]	<no transfer>
D	H03M2201/3126	4	the values having equal weights [3]	<no transfer>
D	H03M2201/3131	3	Direct selection from all possible values	<no transfer>
D	H03M2201/3136	3	Specific network arrangement	<no transfer>
D	H03M2201/3142	4	Series network	<no transfer>
D	H03M2201/3147	4	Parallel network [3]	<no transfer>
D	H03M2201/3152	4	Comb network, e.g. R-2R ladder [3]	<no transfer>
D	H03M2201/3157	3	Specific kinds of quantisation values	<no transfer>
D	H03M2201/3163	4	Impedances [H]	<no transfer>
D	H03M2201/3168	5	Resistors	<no transfer>
D	H03M2201/3173	5	Inductors	<no transfer>
D	H03M2201/3178	5	Capacitors	<no transfer>
D	H03M2201/3184	5	Phase shifters	<no transfer>
D	H03M2201/3189	4	Voltage sources [3]	<no transfer>
D	H03M2201/3194	4	Current sources [3]	<no transfer>
D	H03M2201/32	2	Intermediate conversion to time interval type	<no transfer>
D	H03M2201/322	3	characterised by the way in which the time interval is generated [H]	<no transfer>
D	H03M2201/324	4	using a digital comparator for generating the time interval [2]	<no transfer>
D	H03M2201/326	4	Time interval generation without counting [2]	<no transfer>
D	H03M2201/328	4	the time interval consisting of multiple subintervals [2]	<no transfer>
D	H03M2201/33	2	Intermediate conversion to pulse frequency type [2]	<no transfer>
D	H03M2201/40	1	Information representation [H]	<no transfer>
D	H03M2201/41	2	Analogue signals	<no transfer>
D	H03M2201/4105	3	Positive/negative indication	<no transfer>
D	H03M2201/411	3	Ensemble of signals belonging together [3]	<no transfer>
D	H03M2201/4115	3	Position signals	<no transfer>
D	H03M2201/412	4	representing linear position	<no transfer>
D	H03M2201/4125	4	representing angular position	<no transfer>
D	H03M2201/413	3	Electrical signals	<no transfer>
D	H03M2201/4135	4	Momentary value	<no transfer>
D	H03M2201/414	5	Random pulses [2]	<no transfer>

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D	H03M2201/4145	4	Modulated carrier [H]	<no transfer>
D	H03M2201/415	5	Amplitude modulated carrier	<no transfer>
D	H03M2201/4155	5	Phase modulated carrier	<no transfer>
D	H03M2201/416	5	Frequency modulated carrier	<no transfer>
D	H03M2201/4165	4	Modulated pulses [H]	<no transfer>
D	H03M2201/417	5	Amplitude modulated pulses	<no transfer>
D	H03M2201/4175	5	Time modulated pulses	<no transfer>
D	H03M2201/418	5	Width modulated pulses	<no transfer>
D	H03M2201/4185	5	Frequency modulated pulses	<no transfer>
D	H03M2201/419	3	Light signals [2]	<no transfer>
D	H03M2201/4195	3	Temperature signals [2]	<no transfer>
D	H03M2201/42	2	Digital signals [H]	<no transfer>
D	H03M2201/4204	3	positive/negative indication	<no transfer>
D	H03M2201/4208	3	Temporal or spatial distribution [H]	<no transfer>
D	H03M2201/4212	4	Serial	<no transfer>
D	H03M2201/4216	4	Serial-parallel	<no transfer>
D	H03M2201/422	4	Parallel-serial	<no transfer>
D	H03M2201/4225	4	Parallel	<no transfer>
D	H03M2201/4229	3	Elementary signals [H]	<no transfer>
D	H03M2201/4233	4	Bivalued	<no transfer>
D	H03M2201/4237	4	Multivalued	<no transfer>
D	H03M2201/4241	4	other than amplitude, e.g. frequency, phase [2]	<no transfer>
D	H03M2201/4245	3	Denominational arrangements [H]	<no transfer>
D	H03M2201/425	4	Non-denominational	<no transfer>
D	H03M2201/4254	5	One-bit information [2]	<no transfer>
D	H03M2201/4258	4	Denominational	<no transfer>
D	H03M2201/4262	5	Binary radix	<no transfer>
D	H03M2201/4266	5	Decimal radix	<no transfer>
D	H03M2201/427	5	Floating-point representation [2]	<no transfer>
D	H03M2201/4275	3	Coding [H]	<no transfer>
D	H03M2201/4279	4	Pure	<no transfer>
D	H03M2201/4283	5	x-out-of-n code, i.e. value x,x=0,...,n, is represented by x bits being ONE within a total of n bits [2]	<no transfer>
D	H03M2201/4287	4	Combination code other than those forming a straight power series	<no transfer>
D	H03M2201/4291	5	Unit distance code	<no transfer>
D	H03M2201/4295	5	Pattern shifting code	<no transfer>
D	H03M2201/50	1	Additional conversions [H]	<no transfer>
D	H03M2201/51	2	Analogue conversions	<no transfer>
D	H03M2201/512	3	Mechanical/electrical	<no transfer>
D	H03M2201/514	3	Electrical/other electrical	<no transfer>
D	H03M2201/516	4	Impedance/voltage or current [2]	<no transfer>
D	H03M2201/518	3	with analogue feedback	<no transfer>
D	H03M2201/52	2	Digital conversions	<no transfer>
D	H03M2201/521	3	Bivalued/multivalued	<no transfer>

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D	H03M2201/522	3	Non-denominational/denominational; Pure/combination code	<no transfer>
D	H03M2201/523	3	between different combination codes; between different radices	<no transfer>
D	H03M2201/524	4	Binary/decimal	<no transfer>
D	H03M2201/525	4	Normal/reflected	<no transfer>
D	H03M2201/526	3	Parallel/serial	<no transfer>
D	H03M2201/527	3	Rounding	<no transfer>
D	H03M2201/528	3	Complementing or inverting [3]	<no transfer>
D	H03M2201/53	2	Non-linear conversions	<no transfer>
D	H03M2201/531	3	outside the actual A/D or D/A [2]	<no transfer>
D	H03M2201/532	3	Specific type of non-linearity	<no transfer>
D	H03M2201/533	4	Goniometric	<no transfer>
D	H03M2201/534	4	Logarithmic, exponential	<no transfer>
D	H03M2201/535	4	Maximum, minimum	<no transfer>
D	H03M2201/536	4	Average	<no transfer>
D	H03M2201/537	4	Integration	<no transfer>
D	H03M2201/538	4	Differentiation	<no transfer>
D	H03M2201/539	4	Hyperbolic	<no transfer>
D	H03M2201/60	1	Fidelity improvement	<no transfer>
D	H03M2201/61	2	Adjustment or control means [H]	<no transfer>
D	H03M2201/6107	3	Operation method [H]	<no transfer>
D	H03M2201/6114	4	Manual	<no transfer>
D	H03M2201/6121	4	Automatic	<no transfer>
D	H03M2201/6128	4	in feedforward mode [3]	<no transfer>
D	H03M2201/6135	4	in feedback mode [3]	<no transfer>
D	H03M2201/6142	3	Means used [H]	<no transfer>
D	H03M2201/615	4	Compensation [3]	<no transfer>
D	H03M2201/6157	5	with auxiliary D/A or A/D conversion [2]	<no transfer>
D	H03M2201/6164	5	using stored correction values (for previous editions, see provisionally H03M2201/72)[3]	<no transfer>
D	H03M2201/6171	5	using a computer for more than just storing (for previous editions, see provisionally H03M2201/72)[3]	<no transfer>
D	H03M2201/6178	4	Dither [3]	<no transfer>
D	H03M2201/6185	4	Interpolation (for fine conversions H03M2201/1172, H03M2201/162)[3]	<no transfer>
D	H03M2201/6192	4	Redundancy [3]	<no transfer>
D	H03M2201/62	2	Precision improvement; Layout optimisation [2]	<no transfer>
D	H03M2201/622	3	Accuracy improvement [3]	<no transfer>
D	H03M2201/625	3	Resolution enhancement [3]	<no transfer>
D	H03M2201/627	4	using an n-bit converter for obtaining a resolution of more than n bits [3]	<no transfer>
D	H03M2201/63	2	Calibration; Deviation correction [2]	<no transfer>
D	H03M2201/6309	3	Timing [H]	<no transfer>
D	H03M2201/6318	4	in-between normal conversions [3]	<no transfer>

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	H03M2201/6327	4	during normal conversions [3]	<no transfer>
D	H03M2201/6336	5	periodically [3]	<no transfer>
D	H03M2201/6345	3	Type of correction [H]	<no transfer>
D	H03M2201/6354	4	Component mismatch correction [3]	<no transfer>
D	H03M2201/6363	4	Mechanical alignment [3]	<no transfer>
D	H03M2201/6372	4	Linearisation of non-linear characteristic [3]	<no transfer>
D	H03M2201/6381	4	Gain, i.e. slope deviation correction [3]	<no transfer>
D	H03M2201/639	4	Offset or drift correction (for the second edition, see provisionally H03M2201/64)[3]	<no transfer>
D	H03M2201/64	2	Noise reduction [2]	<no transfer>
D	H03M2201/641	3	Type of noise [H]	<no transfer>
D	H03M2201/642	4	Quantisation noise [3]	<no transfer>
D	H03M2201/643	4	Power supply variations, e.g. ripple [3]	<administrative transfer to H03M 1/0845>
D	H03M2201/644	4	Switching transients, e.g. glitches [3]	<no transfer>
D	H03M2201/645	3	Method [3]	<no transfer>
D	H03M2201/646	4	Filtering [H]	<no transfer>
D	H03M2201/647	5	on input [3]	<no transfer>
D	H03M2201/648	5	Output smoothing	<no transfer>
D	H03M2201/65	2	Error detection or correction [2]	<no transfer>
D	H03M2201/652	3	out-of-range indication [3]	<no transfer>
D	H03M2201/655	3	Power failure [3]	<no transfer>
D	H03M2201/657	3	Testing [3]	<no transfer>
D	H03M2201/70	1	Additional functions	<no transfer>
D	H03M2201/71	2	Sampling; Holding [3]	<no transfer>
D	H03M2201/711	3	Place [H]	<no transfer>
D	H03M2201/712	4	at input	<no transfer>
D	H03M2201/713	4	at output [2]	<no transfer>
D	H03M2201/714	3	Means [H]	<no transfer>
D	H03M2201/715	4	Electrical	<no transfer>
D	H03M2201/716	4	Mechanical	<no transfer>
D	H03M2201/717	4	Optical [3]	<no transfer>
D	H03M2201/718	4	Digital latching, e.g. of bits applied to a D/A converter [3]	<no transfer>
D	H03M2201/72	2	Computing	<no transfer>
D	H03M2201/721	3	Multiplying, e.g. MDAC [3]	<no transfer>
D	H03M2201/722	3	Dividing, e.g. ratiometric [3]	<no transfer>
D	H03M2201/723	3	Pre- or post-treatment [3]	<no transfer>
D	H03M2201/725	4	Numerical [3]	<no transfer>
D	H03M2201/726	4	Analogue [3]	<no transfer>
D	H03M2201/727	3	Computer as part of converter [3]	<no transfer>
D	H03M2201/728	4	Conversion partially by software [3]	<no transfer>
D	H03M2201/73	2	Accelerated conversion [2]	<no transfer>
D	H03M2201/75	2	Synchronisation [3]	<no transfer>
D	H03M2201/76	2	Pipelining [3]	<no transfer>
D	H03M2201/77	2	Feedback means not provided for elsewhere [3]	<no transfer>

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	H03M2201/78	2	Prediction [3]	<no transfer>
D	H03M2201/79	2	Time recording	<no transfer>
D	H03M2201/80	1	Components, circuits or devices used with or within A/D or D/A converters but not disclosed in detail and not provided for elsewhere [H]	<no transfer>
D	H03M2201/81	2	Electrical components	<no transfer>
D	H03M2201/8104	3	Discharge tubes	<no transfer>
D	H03M2201/8108	4	Vacuum tubes	<no transfer>
D	H03M2201/8112	4	Gaseous tubes	<no transfer>
D	H03M2201/8116	4	Counting tubes; Beam switching tubes	<no transfer>
D	H03M2201/812	4	Cathode ray tubes	<no transfer>
D	H03M2201/8124	3	Semiconductor devices	<no transfer>
D	H03M2201/8128	4	Diodes	<no transfer>
D	H03M2201/8132	4	Transistors	<no transfer>
D	H03M2201/8136	5	bipolar [3]	<no transfer>
D	H03M2201/814	5	FET (varistors H03M2201/8156)[2]	<no transfer>
D	H03M2201/8144	4	Zener diodes	<no transfer>
D	H03M2201/8148	4	Tunnel diodes	<no transfer>
D	H03M2201/8152	3	Capacitive devices [H]	<no transfer>
D	H03M2201/8156	4	Varistors	<no transfer>
D	H03M2201/816	4	Ferro-electric capacitors	<no transfer>
D	H03M2201/8164	4	Switched capacitors [3]	<no transfer>
D	H03M2201/8168	4	Charge-coupled devices [3]	<no transfer>
D	H03M2201/8172	3	Magnetic devices [H]	<no transfer>
D	H03M2201/8176	4	Magnetic cores	<no transfer>
D	H03M2201/818	4	Magnetic film devices [2]	<no transfer>
D	H03M2201/8184	4	Hall effect devices	<no transfer>
D	H03M2201/8188	4	Parametrons	<no transfer>
D	H03M2201/8192	3	Photoelectric devices	<no transfer>
D	H03M2201/8196	3	Superconductive devices	<no transfer>
D	H03M2201/82	2	Basic electrical circuits [H]	<no transfer>
D	H03M2201/822	3	Bridge circuits [3]	<no transfer>
D	H03M2201/825	3	Delay lines [2]	<no transfer>
D	H03M2201/827	4	Travelling-wave guides [3]	<no transfer>
D	H03M2201/83	2	Basic logic components [H]	<no transfer>
D	H03M2201/831	3	Counters [2]	<no transfer>
D	H03M2201/832	4	bidirectional [2]	<no transfer>
D	H03M2201/834	3	Look-up tables, e.g. ROM [2]	<no transfer>
D	H03M2201/835	3	(Pseudo-)random generators [2]	<no transfer>
D	H03M2201/837	3	Shift registers [2]	<no transfer>
D	H03M2201/838	3	Microprocessors (as an application system H03M2201/198, for fidelity improvement H03M2201/6171, for computing as part of the conversion process H03M2201/72, for testing H03M2201/657 [3])	<no transfer>
D	H03M2201/84	2	Electro-mechanical components [H]	<no transfer>

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	H03M2201/841	3	Dynamo-electric machines	<no transfer>
D	H03M2201/842	4	Synchro	<no transfer>
D	H03M2201/843	4	Resolvers	<no transfer>
D	H03M2201/844	4	Servomotors	<no transfer>
D	H03M2201/845	4	Stepping motors [3]	<no transfer>
D	H03M2201/846	3	Switching circuits [H]	<no transfer>
D	H03M2201/847	4	Switches	<no transfer>
D	H03M2201/848	4	Relays	<no transfer>
D	H03M2201/849	4	Choppers	<no transfer>
D	H03M2201/85	2	Mechanical components [H]	<no transfer>
D	H03M2201/853	3	Reduction gearings	<no transfer>
D	H03M2201/856	3	Shaft couplings	<no transfer>
D	H03M2201/90	1	Miscellaneous [H]	<no transfer>
D	H03M2201/91	2	Theory	<no transfer>
D	H03M2201/915	3	Code theory	<no transfer>
D	H03M2201/93	2	Constructional details	<no transfer>
D	H03M2201/931	3	Symmetrical configuration [2]	<no transfer>
D	H03M2201/932	3	of electrical parts or components [3]	<no transfer>
D	H03M2201/933	4	Processing circuitry [3]	<no transfer>
D	H03M2201/934	5	on one chip, e.g. A/D and muP [3]	<no transfer>
D	H03M2201/935	4	Battery powered [3]	<no transfer>
D	H03M2201/936	3	of mechanical parts or components [3]	<no transfer>
D	H03M2201/937	4	Housing [3]	<no transfer>
D	H03M2201/938	3	of optical parts or components [3]	<no transfer>

*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; T= 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:
- **No {curly brackets} are used for titles in CPC only <u>subclasses</u>, 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} <u>are</u> used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required "anchor" symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups).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.
- "Transferred to" column <u>must</u> 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>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY, ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.

CPC NOTICE OF CHANGES 673

DATE: MAY 1, 2019

PROJECT RP0162

- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be "additional information".
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("Transferred to") symbol, however it is required to specify "<no transfer>" in the "Transferred to" column for such cases.
- For finalisation projects, the deleted "F" symbols should have <no transfer> in the "Transferred to" column.
- For more details about the types of scheme change, see CPC Guide.

DATE: MAY 1, 2019

PROJECT RP0162

B.   New, Modified or Deleted Note(s)

SUBCLASS H03M – DELTA-SIGMA MODULATION

Type*	Location	Old Note	New/Modified Note
M	H03M 3/478	Note(s) In this group branch, classification is made both in group branch H03M 3/44 <u>and</u> in group branch H03M 3/448 if <u>both of these sets</u> of groups are relevant	**NOTE** In this subgroup, classification is made both here <u>and</u> in H03M 3/44 if <u>both</u> subgroups are relevant
N	H03M 3/44		**NOTE** In this subgroup, classification is made both here <u>and</u> in H03M 3/478 if <u>both</u> subgroups are relevant
D	H03M 1/00	**NOTES** 1. {Documents published prior to 1990 have been classified using the indexing scheme of group H03M 2201/00; these documents have not been classified in groups H03M 1/001 - H03M 1/88.} 2. {In this main group, additional information has been classified systematically for documents published from 01-01-1990 on.}	
D	H03M 2201/80	The codes of this subgroup should be assigned only insofar as the component, circuit or device concerned is not usual for the type of converter concerned, e.g. an intermediate time interval type A/D converter usually has a counter which therefore need not be indexed in this subgroup.	

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

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

2. A. DEFINITIONS (modified)

H03M 3/00

References

Informative references

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

Insert: The following new reference in the Informative references table.

Digital delta-sigma modulators	H03M7/3004

Delete: The entire Special rules of classification section.

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H03M 1/00	Informative References	Documents in this main group published before 1990 (see "Further information" in the Definition Statement above) H03M 2201/00	Delete the entire row. Documents in this main group published before 1990 (see "Further information" in the Definition Statement above) H03M 2201/00
H03M 1/00	Special Rules of Classification	Classification of additional information: • The invention as such as well as additional information shall be classified. • The use of the Indexing Codes for classification is compulsory (except for main group H03M 2201/00, as explained in the "Further information" in the Definition Statement above) and shall be used in addition to the appropriate ECLA code. • In particular Indexing Code scheme H03M 1/00-H03M 1/88 is used for indicating the type(s) of the (sub)convert(s) to which the invention is applied, when the invention information is to be classified in one of the ranges H03M 1/001-H03M 1/1095, H03M 1/1205-H03M 1/208 or H03M 1/661-H03M 1/687. These types can be indicated using one or more symbols from group branches H03M 1/12 or H03M 1/66. • In cases where a conversion system includes both standard and differential (sub)converters, also the appropriate type of the differential (sub)converter(s) should be indicated using symbols from the Indexing Code main group H03M 3/00	Delete the entire Special Rules of Classification section.

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
		or group branch H03M 7/3002 . • For the search in main group H03M 1/00 it is noted that additional information has been classified in this group from 01--01--1990 onwards. • Documents published prior to 1990 have been classified using deep-indexing scheme H03M 2201/00, which was derived from an older, non-IPC-based deep-indexing scheme (ICIREPAT scheme RM03) and for these documents replaces the use of subgroups H03M 1/001 through H03M 1/88. All these documents have main group symbol H03M 1/00 as the mandatory but - for search purposes - dummy EC classification symbol. • Since indexing scheme H03M 2201/00 has been closed, it should not be used for classifying new documents. • For the search in these documents, it is noted that, as this scheme is obtained by conversion from said deep indexing system RM03, it reflects the three disjunct editions of that system in the following way: Code symbols added or amended in subsequent editions are indicated by numbers [2] or [3] in square brackets, the code symbols present from the first edition on having no indication; headers which did not have a code symbol in the RM03 system and thus could not be assigned to documents, but which need a code symbol in the Indexing Code system for the purpose of a correct hierarchical order, are indicated by the symbol [H];	

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
		the edition according to which a particular document has been indexed is indicated by the assignment of one of code symbols H03M 2201/01 - H03M 2201/03 to that document. In principle, therefore, a search should include a separate combination of appropriate code symbols for each edition, each combination including one of codes H03M 2201/01 through H03M 2201/03. On an incidental base, however, code symbols from later editions have been allocated to documents indexed according to an earlier edition.	

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.

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H03M 3/334	<administrative transfer to H03M 3/3287>
D	H03M 3/336	<administrative transfer to H03M 3/3283>
D	H03M2201/00	<no transfer>
D	H03M2201/01	<no transfer>
D	H03M2201/02	<no transfer>
D	H03M2201/03	<no transfer>
D	H03M2201/10	<no transfer>
D	H03M2201/11	<no transfer>
D	H03M2201/1109	<no transfer>
D	H03M2201/1118	<no transfer>
D	H03M2201/1127	<no transfer>
D	H03M2201/1136	<no transfer>
D	H03M2201/1145	<no transfer>
D	H03M2201/1154	<no transfer>
D	H03M2201/1163	<no transfer>
D	H03M2201/1172	<no transfer>
D	H03M2201/1181	<no transfer>
D	H03M2201/119	<no transfer>
D	H03M2201/12	<no transfer>
D	H03M2201/122	<no transfer>
D	H03M2201/124	<no transfer>
D	H03M2201/126	<no transfer>
D	H03M2201/128	<no transfer>
D	H03M2201/13	<no transfer>
D	H03M2201/14	<no transfer>
D	H03M2201/145	<no transfer>
D	H03M2201/16	<no transfer>
D	H03M2201/162	<no transfer>
D	H03M2201/165	<no transfer>
D	H03M2201/167	<no transfer>
D	H03M2201/17	<no transfer>
D	H03M2201/173	<no transfer>
D	H03M2201/176	<no transfer>
D	H03M2201/19	<no transfer>
D	H03M2201/192	<no transfer>
D	H03M2201/194	<no transfer>
D	H03M2201/196	<no transfer>
D	H03M2201/198	<no transfer>
D	H03M2201/20	<no transfer>
D	H03M2201/21	<no transfer>
D	H03M2201/2103	<no transfer>
D	H03M2201/2107	<no transfer>
D	H03M2201/2111	<no transfer>
D	H03M2201/2114	<no transfer>
D	H03M2201/2118	<no transfer>
D	H03M2201/2122	<no transfer>

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H03M2201/2125	\<no transfer\>
D	H03M2201/2129	\<no transfer\>
D	H03M2201/2133	\<no transfer\>
D	H03M2201/2137	\<no transfer\>
D	H03M2201/214	\<no transfer\>
D	H03M2201/2144	\<no transfer\>
D	H03M2201/2148	\<no transfer\>
D	H03M2201/2151	\<no transfer\>
D	H03M2201/2155	\<no transfer\>
D	H03M2201/2159	\<no transfer\>
D	H03M2201/2162	\<no transfer\>
D	H03M2201/2166	\<no transfer\>
D	H03M2201/217	\<no transfer\>
D	H03M2201/2174	\<no transfer\>
D	H03M2201/2177	\<no transfer\>
D	H03M2201/2181	\<no transfer\>
D	H03M2201/2185	\<no transfer\>
D	H03M2201/2188	\<no transfer\>
D	H03M2201/2192	\<no transfer\>
D	H03M2201/2196	\<no transfer\>
D	H03M2201/22	\<no transfer\>
D	H03M2201/2208	\<no transfer\>
D	H03M2201/2216	\<no transfer\>
D	H03M2201/2225	\<no transfer\>
D	H03M2201/2233	\<no transfer\>
D	H03M2201/2241	\<no transfer\>
D	H03M2201/225	\<no transfer\>
D	H03M2201/2258	\<no transfer\>
D	H03M2201/2266	\<no transfer\>
D	H03M2201/2275	\<no transfer\>
D	H03M2201/2283	\<no transfer\>
D	H03M2201/2291	\<no transfer\>
D	H03M2201/23	\<no transfer\>
D	H03M2201/2305	\<no transfer\>
D	H03M2201/2311	\<no transfer\>
D	H03M2201/2316	\<no transfer\>
D	H03M2201/2322	\<no transfer\>
D	H03M2201/2327	\<no transfer\>
D	H03M2201/2333	\<no transfer\>
D	H03M2201/2338	\<no transfer\>
D	H03M2201/2344	\<no transfer\>
D	H03M2201/235	\<no transfer\>
D	H03M2201/2355	\<no transfer\>
D	H03M2201/2361	\<no transfer\>
D	H03M2201/2366	\<no transfer\>
D	H03M2201/2372	\<no transfer\>
D	H03M2201/2377	\<no transfer\>
D	H03M2201/2383	\<no transfer\>
D	H03M2201/2388	\<no transfer\>
D	H03M2201/2394	\<no transfer\>

CPC NOTICE OF CHANGES 673

DATE: MAY 1, 2019

PROJECT RP0162

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H03M2201/24	<no transfer>
D	H03M2201/241	<no transfer>
D	H03M2201/243	<no transfer>
D	H03M2201/245	<no transfer>
D	H03M2201/246	<no transfer>
D	H03M2201/248	<no transfer>
D	H03M2201/30	<no transfer>
D	H03M2201/31	<no transfer>
D	H03M2201/3105	<no transfer>
D	H03M2201/311	<no transfer>
D	H03M2201/3115	<no transfer>
D	H03M2201/3121	<no transfer>
D	H03M2201/3126	<no transfer>
D	H03M2201/3131	<no transfer>
D	H03M2201/3136	<no transfer>
D	H03M2201/3142	<no transfer>
D	H03M2201/3147	<no transfer>
D	H03M2201/3152	<no transfer>
D	H03M2201/3157	<no transfer>
D	H03M2201/3163	<no transfer>
D	H03M2201/3168	<no transfer>
D	H03M2201/3173	<no transfer>
D	H03M2201/3178	<no transfer>
D	H03M2201/3184	<no transfer>
D	H03M2201/3189	<no transfer>
D	H03M2201/3194	<no transfer>
D	H03M2201/32	<no transfer>
D	H03M2201/322	<no transfer>
D	H03M2201/324	<no transfer>
D	H03M2201/326	<no transfer>
D	H03M2201/328	<no transfer>
D	H03M2201/33	<no transfer>
D	H03M2201/40	<no transfer>
D	H03M2201/41	<no transfer>
D	H03M2201/4105	<no transfer>
D	H03M2201/411	<no transfer>
D	H03M2201/4115	<no transfer>
D	H03M2201/412	<no transfer>
D	H03M2201/4125	<no transfer>
D	H03M2201/413	<no transfer>
D	H03M2201/4135	<no transfer>
D	H03M2201/414	<no transfer>
D	H03M2201/4145	<no transfer>
D	H03M2201/415	<no transfer>
D	H03M2201/4155	<no transfer>
D	H03M2201/416	<no transfer>
D	H03M2201/4165	<no transfer>
D	H03M2201/417	<no transfer>
D	H03M2201/4175	<no transfer>
D	H03M2201/418	<no transfer>

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H03M2201/4185	<no transfer>
D	H03M2201/419	<no transfer>
D	H03M2201/4195	<no transfer>
D	H03M2201/42	<no transfer>
D	H03M2201/4204	<no transfer>
D	H03M2201/4208	<no transfer>
D	H03M2201/4212	<no transfer>
D	H03M2201/4216	<no transfer>
D	H03M2201/422	<no transfer>
D	H03M2201/4225	<no transfer>
D	H03M2201/4229	<no transfer>
D	H03M2201/4233	<no transfer>
D	H03M2201/4237	<no transfer>
D	H03M2201/4241	<no transfer>
D	H03M2201/4245	<no transfer>
D	H03M2201/425	<no transfer>
D	H03M2201/4254	<no transfer>
D	H03M2201/4258	<no transfer>
D	H03M2201/4262	<no transfer>
D	H03M2201/4266	<no transfer>
D	H03M2201/427	<no transfer>
D	H03M2201/4275	<no transfer>
D	H03M2201/4279	<no transfer>
D	H03M2201/4283	<no transfer>
D	H03M2201/4287	<no transfer>
D	H03M2201/4291	<no transfer>
D	H03M2201/4295	<no transfer>
D	H03M2201/50	<no transfer>
D	H03M2201/51	<no transfer>
D	H03M2201/512	<no transfer>
D	H03M2201/514	<no transfer>
D	H03M2201/516	<no transfer>
D	H03M2201/518	<no transfer>
D	H03M2201/52	<no transfer>
D	H03M2201/521	<no transfer>
D	H03M2201/522	<no transfer>
D	H03M2201/523	<no transfer>
D	H03M2201/524	<no transfer>
D	H03M2201/525	<no transfer>
D	H03M2201/526	<no transfer>
D	H03M2201/527	<no transfer>
D	H03M2201/528	<no transfer>
D	H03M2201/53	<no transfer>
D	H03M2201/531	<no transfer>
D	H03M2201/532	<no transfer>
D	H03M2201/533	<no transfer>
D	H03M2201/534	<no transfer>
D	H03M2201/535	<no transfer>
D	H03M2201/536	<no transfer>
D	H03M2201/537	<no transfer>

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H03M2201/538	<no transfer>
D	H03M2201/539	<no transfer>
D	H03M2201/60	<no transfer>
D	H03M2201/61	<no transfer>
D	H03M2201/6107	<no transfer>
D	H03M2201/6114	<no transfer>
D	H03M2201/6121	<no transfer>
D	H03M2201/6128	<no transfer>
D	H03M2201/6135	<no transfer>
D	H03M2201/6142	<no transfer>
D	H03M2201/615	<no transfer>
D	H03M2201/6157	<no transfer>
D	H03M2201/6164	<no transfer>
D	H03M2201/6171	<no transfer>
D	H03M2201/6178	<no transfer>
D	H03M2201/6185	<no transfer>
D	H03M2201/6192	<no transfer>
D	H03M2201/62	<no transfer>
D	H03M2201/622	<no transfer>
D	H03M2201/625	<no transfer>
D	H03M2201/627	<no transfer>
D	H03M2201/63	<no transfer>
D	H03M2201/6309	<no transfer>
D	H03M2201/6318	<no transfer>
D	H03M2201/6327	<no transfer>
D	H03M2201/6336	<no transfer>
D	H03M2201/6345	<no transfer>
D	H03M2201/6354	<no transfer>
D	H03M2201/6363	<no transfer>
D	H03M2201/6372	<no transfer>
D	H03M2201/6381	<no transfer>
D	H03M2201/639	<no transfer>
D	H03M2201/64	<no transfer>
D	H03M2201/641	<no transfer>
D	H03M2201/642	<no transfer>
D	H03M2201/643	<administrative transfer to H03M 1/0845>
D	H03M2201/644	<no transfer>
D	H03M2201/645	<no transfer>
D	H03M2201/646	<no transfer>
D	H03M2201/647	<no transfer>
D	H03M2201/648	<no transfer>
D	H03M2201/65	<no transfer>
D	H03M2201/652	<no transfer>
D	H03M2201/655	<no transfer>
D	H03M2201/657	<no transfer>
D	H03M2201/70	<no transfer>
D	H03M2201/71	<no transfer>
D	H03M2201/711	<no transfer>
D	H03M2201/712	<no transfer>

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H03M2201/713	<no transfer>
D	H03M2201/714	<no transfer>
D	H03M2201/715	<no transfer>
D	H03M2201/716	<no transfer>
D	H03M2201/717	<no transfer>
D	H03M2201/718	<no transfer>
D	H03M2201/72	<no transfer>
D	H03M2201/721	<no transfer>
D	H03M2201/722	<no transfer>
D	H03M2201/723	<no transfer>
D	H03M2201/725	<no transfer>
D	H03M2201/726	<no transfer>
D	H03M2201/727	<no transfer>
D	H03M2201/728	<no transfer>
D	H03M2201/73	<no transfer>
D	H03M2201/75	<no transfer>
D	H03M2201/76	<no transfer>
D	H03M2201/77	<no transfer>
D	H03M2201/78	<no transfer>
D	H03M2201/79	<no transfer>
D	H03M2201/80	<no transfer>
D	H03M2201/81	<no transfer>
D	H03M2201/8104	<no transfer>
D	H03M2201/8108	<no transfer>
D	H03M2201/8112	<no transfer>
D	H03M2201/8116	<no transfer>
D	H03M2201/812	<no transfer>
D	H03M2201/8124	<no transfer>
D	H03M2201/8128	<no transfer>
D	H03M2201/8132	<no transfer>
D	H03M2201/8136	<no transfer>
D	H03M2201/814	<no transfer>
D	H03M2201/8144	<no transfer>
D	H03M2201/8148	<no transfer>
D	H03M2201/8152	<no transfer>
D	H03M2201/8156	<no transfer>
D	H03M2201/816	<no transfer>
D	H03M2201/8164	<no transfer>
D	H03M2201/8168	<no transfer>
D	H03M2201/8172	<no transfer>
D	H03M2201/8176	<no transfer>
D	H03M2201/818	<no transfer>
D	H03M2201/8184	<no transfer>
D	H03M2201/8188	<no transfer>
D	H03M2201/8192	<no transfer>
D	H03M2201/8196	<no transfer>
D	H03M2201/82	<no transfer>
D	H03M2201/822	<no transfer>
D	H03M2201/825	<no transfer>
D	H03M2201/827	<no transfer>

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H03M2201/83	<no transfer>
D	H03M2201/831	<no transfer>
D	H03M2201/832	<no transfer>
D	H03M2201/834	<no transfer>
D	H03M2201/835	<no transfer>
D	H03M2201/837	<no transfer>
D	H03M2201/838	<no transfer>
D	H03M2201/84	<no transfer>
D	H03M2201/841	<no transfer>
D	H03M2201/842	<no transfer>
D	H03M2201/843	<no transfer>
D	H03M2201/844	<no transfer>
D	H03M2201/845	<no transfer>
D	H03M2201/846	<no transfer>
D	H03M2201/847	<no transfer>
D	H03M2201/848	<no transfer>
D	H03M2201/849	<no transfer>
D	H03M2201/85	<no transfer>
D	H03M2201/853	<no transfer>
D	H03M2201/856	<no transfer>
D	H03M2201/90	<no transfer>
D	H03M2201/91	<no transfer>
D	H03M2201/915	<no transfer>
D	H03M2201/93	<no transfer>
D	H03M2201/931	<no transfer>
D	H03M2201/932	<no transfer>
D	H03M2201/933	<no transfer>
D	H03M2201/934	<no transfer>
D	H03M2201/935	<no transfer>
D	H03M2201/936	<no transfer>
D	H03M2201/937	<no transfer>
D	H03M2201/938	<no transfer>

* 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; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:
- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the "To" column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: "< administrative transfer to XX>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY, ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be "additional information".
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("To") symbol, however it is required to specify "<no transfer>" in the "To" column for such cases.
- RCL is not needed for finalisation projects.

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

CPC	IPC	Action*
H03M 3/3283	H03M 3/00	New
H03M 3/3287	H03M 3/00	New
H03M 3/334		Delete
H03M 3/336		Delete
H03M 2201/00		Delete
H03M 2201/01		Delete
H03M 2201/02		Delete
H03M 2201/03		Delete
H03M 2201/10		Delete
H03M 2201/11		Delete
H03M 2201/1109		Delete
H03M 2201/1118		Delete
H03M 2201/1127		Delete
H03M 2201/1136		Delete
H03M 2201/1145		Delete
H03M 2201/1154		Delete
H03M 2201/1163		Delete
H03M 2201/1172		Delete
H03M 2201/1181		Delete
H03M 2201/119		Delete
H03M 2201/12		Delete
H03M 2201/122		Delete
H03M 2201/124		Delete
H03M 2201/126		Delete
H03M 2201/128		Delete
H03M 2201/13		Delete
H03M 2201/14		Delete
H03M 2201/145		Delete
H03M 2201/16		Delete
H03M 2201/162		Delete
H03M 2201/165		Delete
H03M 2201/167		Delete
H03M 2201/17		Delete
H03M 2201/173		Delete
H03M 2201/176		Delete
H03M 2201/19		Delete
H03M 2201/192		Delete
H03M 2201/194		Delete
H03M 2201/196		Delete
H03M 2201/198		Delete
H03M 2201/20		Delete
H03M 2201/21		Delete

CPC NOTICE OF CHANGES 673

DATE: MAY 1, 2019

PROJECT RP0162

CPC	IPC	Action*
H03M 2201/2103		Delete
H03M 2201/2107		Delete
H03M 2201/2111		Delete
H03M 2201/2114		Delete
H03M 2201/2118		Delete
H03M 2201/2122		Delete
H03M 2201/2125		Delete
H03M 2201/2129		Delete
H03M 2201/2133		Delete
H03M 2201/2137		Delete
H03M 2201/214		Delete
H03M 2201/2144		Delete
H03M 2201/2148		Delete
H03M 2201/2151		Delete
H03M 2201/2155		Delete
H03M 2201/2159		Delete
H03M 2201/2162		Delete
H03M 2201/2166		Delete
H03M 2201/217		Delete
H03M 2201/2174		Delete
H03M 2201/2177		Delete
H03M 2201/2181		Delete
H03M 2201/2185		Delete
H03M 2201/2188		Delete
H03M 2201/2192		Delete
H03M 2201/2196		Delete
H03M 2201/22		Delete
H03M 2201/2208		Delete
H03M 2201/2216		Delete
H03M 2201/2225		Delete
H03M 2201/2233		Delete
H03M 2201/2241		Delete
H03M 2201/225		Delete
H03M 2201/2258		Delete
H03M 2201/2266		Delete
H03M 2201/2275		Delete
H03M 2201/2283		Delete
H03M 2201/2291		Delete
H03M 2201/23		Delete
H03M 2201/2305		Delete
H03M 2201/2311		Delete
H03M 2201/2316		Delete
H03M 2201/2322		Delete
H03M 2201/2327		Delete
H03M 2201/2333		Delete

CPC NOTICE OF CHANGES 673

DATE: MAY 1, 2019

PROJECT RP0162

CPC	IPC	Action*
H03M 2201/2338		Delete
H03M 2201/2344		Delete
H03M 2201/235		Delete
H03M 2201/2355		Delete
H03M 2201/2361		Delete
H03M 2201/2366		Delete
H03M 2201/2372		Delete
H03M 2201/2377		Delete
H03M 2201/2383		Delete
H03M 2201/2388		Delete
H03M 2201/2394		Delete
H03M 2201/24		Delete
H03M 2201/241		Delete
H03M 2201/243		Delete
H03M 2201/245		Delete
H03M 2201/246		Delete
H03M 2201/248		Delete
H03M 2201/30		Delete
H03M 2201/31		Delete
H03M 2201/3105		Delete
H03M 2201/311		Delete
H03M 2201/3115		Delete
H03M 2201/3121		Delete
H03M 2201/3126		Delete
H03M 2201/3131		Delete
H03M 2201/3136		Delete
H03M 2201/3142		Delete
H03M 2201/3147		Delete
H03M 2201/3152		Delete
H03M 2201/3157		Delete
H03M 2201/3163		Delete
H03M 2201/3168		Delete
H03M 2201/3173		Delete
H03M 2201/3178		Delete
H03M 2201/3184		Delete
H03M 2201/3189		Delete
H03M 2201/3194		Delete
H03M 2201/32		Delete
H03M 2201/322		Delete
H03M 2201/324		Delete
H03M 2201/326		Delete
H03M 2201/328		Delete
H03M 2201/33		Delete
H03M 2201/40		Delete
H03M 2201/41		Delete

CPC	IPC	Action*
H03M 2201/4105		Delete
H03M 2201/411		Delete
H03M 2201/4115		Delete
H03M 2201/412		Delete
H03M 2201/4125		Delete
H03M 2201/413		Delete
H03M 2201/4135		Delete
H03M 2201/414		Delete
H03M 2201/4145		Delete
H03M 2201/415		Delete
H03M 2201/4155		Delete
H03M 2201/416		Delete
H03M 2201/4165		Delete
H03M 2201/417		Delete
H03M 2201/4175		Delete
H03M 2201/418		Delete
H03M 2201/4185		Delete
H03M 2201/419		Delete
H03M 2201/4195		Delete
H03M 2201/42		Delete
H03M 2201/4204		Delete
H03M 2201/4208		Delete
H03M 2201/4212		Delete
H03M 2201/4216		Delete
H03M 2201/422		Delete
H03M 2201/4225		Delete
H03M 2201/4229		Delete
H03M 2201/4233		Delete
H03M 2201/4237		Delete
H03M 2201/4241		Delete
H03M 2201/4245		Delete
H03M 2201/425		Delete
H03M 2201/4254		Delete
H03M 2201/4258		Delete
H03M 2201/4262		Delete
H03M 2201/4266		Delete
H03M 2201/427		Delete
H03M 2201/4275		Delete
H03M 2201/4279		Delete
H03M 2201/4283		Delete
H03M 2201/4287		Delete
H03M 2201/4291		Delete
H03M 2201/4295		Delete
H03M 2201/50		Delete
H03M 2201/51		Delete
H03M 2201/512		Delete

CPC	IPC	Action*
H03M 2201/514		Delete
H03M 2201/516		Delete
H03M 2201/518		Delete
H03M 2201/52		Delete
H03M 2201/521		Delete
H03M 2201/522		Delete
H03M 2201/523		Delete
H03M 2201/524		Delete
H03M 2201/525		Delete
H03M 2201/526		Delete
H03M 2201/527		Delete
H03M 2201/528		Delete
H03M 2201/53		Delete
H03M 2201/531		Delete
H03M 2201/532		Delete
H03M 2201/533		Delete
H03M 2201/534		Delete
H03M 2201/535		Delete
H03M 2201/536		Delete
H03M 2201/537		Delete
H03M 2201/538		Delete
H03M 2201/539		Delete
H03M 2201/60		Delete
H03M 2201/61		Delete
H03M 2201/6107		Delete
H03M 2201/6114		Delete
H03M 2201/6121		Delete
H03M 2201/6128		Delete
H03M 2201/6135		Delete
H03M 2201/6142		Delete
H03M 2201/615		Delete
H03M 2201/6157		Delete
H03M 2201/6164		Delete
H03M 2201/6171		Delete
H03M 2201/6178		Delete
H03M 2201/6185		Delete
H03M 2201/6192		Delete
H03M 2201/62		Delete
H03M 2201/622		Delete
H03M 2201/625		Delete
H03M 2201/627		Delete
H03M 2201/63		Delete
H03M 2201/6309		Delete
H03M 2201/6318		Delete
H03M 2201/6327		Delete

DATE: MAY 1, 2019

PROJECT RP0162

CPC	IPC	Action*
H03M 2201/6336		Delete
H03M 2201/6345		Delete
H03M 2201/6354		Delete
H03M 2201/6363		Delete
H03M 2201/6372		Delete
H03M 2201/6381		Delete
H03M 2201/639		Delete
H03M 2201/64		Delete
H03M 2201/641		Delete
H03M 2201/642		Delete
H03M 2201/643		Delete
H03M 2201/644		Delete
H03M 2201/645		Delete
H03M 2201/646		Delete
H03M 2201/647		Delete
H03M 2201/648		Delete
H03M 2201/65		Delete
H03M 2201/652		Delete
H03M 2201/655		Delete
H03M 2201/657		Delete
H03M 2201/70		Delete
H03M 2201/71		Delete
H03M 2201/711		Delete
H03M 2201/712		Delete
H03M 2201/713		Delete
H03M 2201/714		Delete
H03M 2201/715		Delete
H03M 2201/716		Delete
H03M 2201/717		Delete
H03M 2201/718		Delete
H03M 2201/72		Delete
H03M 2201/721		Delete
H03M 2201/722		Delete
H03M 2201/723		Delete
H03M 2201/725		Delete
H03M 2201/726		Delete
H03M 2201/727		Delete
H03M 2201/728		Delete
H03M 2201/73		Delete
H03M 2201/75		Delete
H03M 2201/76		Delete
H03M 2201/77		Delete
H03M 2201/78		Delete
H03M 2201/79		Delete
H03M 2201/80		Delete

DATE: MAY 1, 2019

PROJECT RP0162

CPC	**IPC**	**Action***
H03M 2201/81		Delete
H03M 2201/8104		Delete
H03M 2201/8108		Delete
H03M 2201/8112		Delete
H03M 2201/8116		Delete
H03M 2201/812		Delete
H03M 2201/8124		Delete
H03M 2201/8128		Delete
H03M 2201/8132		Delete
H03M 2201/8136		Delete
H03M 2201/814		Delete
H03M 2201/8144		Delete
H03M 2201/8148		Delete
H03M 2201/8152		Delete
H03M 2201/8156		Delete
H03M 2201/816		Delete
H03M 2201/8164		Delete
H03M 2201/8168		Delete
H03M 2201/8172		Delete
H03M 2201/8176		Delete
H03M 2201/818		Delete
H03M 2201/8184		Delete
H03M 2201/8188		Delete
H03M 2201/8192		Delete
H03M 2201/8196		Delete
H03M 2201/82		Delete
H03M 2201/822		Delete
H03M 2201/825		Delete
H03M 2201/827		Delete
H03M 2201/83		Delete
H03M 2201/831		Delete
H03M 2201/832		Delete
H03M 2201/834		Delete
H03M 2201/835		Delete
H03M 2201/837		Delete
H03M 2201/838		Delete
H03M 2201/84		Delete
H03M 2201/841		Delete
H03M 2201/842		Delete
H03M 2201/843		Delete
H03M 2201/844		Delete
H03M 2201/845		Delete
H03M 2201/846		Delete
H03M 2201/847		Delete
H03M 2201/848		Delete

DATE: MAY 1, 2019

PROJECT RP0162

CPC	IPC	Action*
H03M 2201/849		Delete
H03M 2201/85		Delete
H03M 2201/853		Delete
H03M 2201/856		Delete
H03M 2201/90		Delete
H03M 2201/91		Delete
H03M 2201/915		Delete
H03M 2201/93		Delete
H03M 2201/931		Delete
H03M 2201/932		Delete
H03M 2201/933		Delete
H03M 2201/934		Delete
H03M 2201/935		Delete
H03M 2201/936		Delete
H03M 2201/937		Delete
H03M 2201/938		Delete

*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 CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.