

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 854

DATE: MAY 1, 2020

PROJECT RP0481

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Symbols Deleted:	E04B	1/985
	E04H	2009/026
Symbols New:	E04H	9/0215, 9/0235, 9/0237
Titles Changed:	E04H	9/02
Warnings New:	E04H	9/02, 9/021, 9/0215, 9/022, 9/023, 9/0235, 9/0237, 9/04
<b>DEFINITIONS:</b>		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	E04B	1/985
Definitions New:	E02D	27/34
	E04H	9/0215
Definitions Modified:	E04H	9/02

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL): *F16F 7/10*

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)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS E04B - GENERAL BUILDING CONSTRUCTIONS; WALLS, e.g. PARTITIONS; ROOFS; FLOORS; CEILINGS; INSULATION OR OTHER PROTECTION OF BUILDINGS (border constructions of opening in walls, floors or ceilings E06B1/00; {electromagnetic shielding H05K9/0001})**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
D	E04B 1/985	4	{involving active or passive dynamic mass damping systems}	<administrative transfer to E04H9/0215>

**SUBCLASS E04H - BUILDINGS OR LIKE STRUCTURES FOR PARTICULAR PURPOSES; SWIMMING OR SPLASH BATHS OR POOLS; MASTS; FENCING; TENTS OR CANOPIES, IN GENERAL (foundations E02D)**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
C	E04H 9/02	1	withstanding earthquake or sinking of ground (foundations E02D27/34)	E04H9/02, E04H9/0235 E04H9/0237
C	E04H 9/021	2	{Bearing, supporting or connecting constructions specially adapted for such buildings}	E04H9/021, E04H9/0235, E04H9/0237, E04H9/0215
N	E04H 9/0215	3	{involving active or passive dynamic mass damping systems}	
C	E04H 9/022	3	{and comprising laminated structures of alternating elastomeric and rigid layers}	E04H9/022, E04H9/0235, E04H9/0237
C	E04H 9/023	3	{and comprising rolling elements, e.g. balls, pins}	E04H9/023, E04H9/0235, E04H9/0237
N	E04H 9/0235	3	{Anti-seismic devices with hydraulic or pneumatic damping}	
N	E04H 9/0237	3	{Structural braces with damping devices}	
D	E04H 2009/026	2	{Anti-seismic devices with hydraulic or pneumatic damping}	<administrative transfer to E04H9/0235 INV>
C	E04H 9/04	1	against air-raid or other warlike actions (respiratory apparatus A62B)	E04H9/04, E04H9/0215

\*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

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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 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).
- 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 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>”, “<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 (“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.

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B. New, Modified or Deleted Warning(s)

**SUBCLASS E04H - BUILDINGS OR LIKE STRUCTURES FOR PARTICULAR PURPOSES; SWIMMING OR SPLASH BATHS OR POOLS; MASTS; FENCING; TENTS OR CANOPIES, IN GENERAL (foundations E02D)**

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	E04H 9/02		Group E04H 9/02 is impacted by reclassification into groups E04H 9/0235 and E04H 9/0237. Groups E04H 9/02, E04H 9/0235 and E04H 9/0237 should be considered in order to perform a complete search.
N	E04H 9/021		Group E04H 9/021 is impacted by reclassification into groups E04H 9/0215, E04H 9/0235 and E04H 9/0237. All groups listed in this Warning should be considered in order to perform a complete search.
N	E04H 9/0215		Group E04H 9/0215 is incomplete pending reclassification of documents from groups E04H 9/021 and E04H 9/04. Groups E04H 9/04, E04H 9/021 and E04H 9/0215 should be considered in order to perform a complete search.
N	E04H 9/022		Group E04H 9/022 is impacted by reclassification into groups E04H 9/0235 and E04H 9/0237. Groups E04H 9/022, E04H 9/0235 and E04H 9/0237 should be considered in order to perform a complete search.
N	E04H 9/023		Group E04H 9/023 is impacted by reclassification into groups E04H 9/0235 and E04H 9/0237. Groups E04H 9/023, E04H 9/0235 and E04H 9/0237 should be considered in order to perform a complete search.
N	E04H 9/0235		Group E04H 9/0235 is incomplete pending reclassification of documents from groups E04H 9/02, E04H 9/021, E04H 9/022 and E04H 9/023. All groups listed in this Warning should be considered in order to perform a complete search.
N	E04H 9/0237		Group E04H 9/0237 is incomplete pending reclassification of documents from groups E04H 9/02, E04H 9/021, E04H 9/022 and E04H 9/023. All groups listed in this Warning should be considered in order to perform a complete search.

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<b><u>Type*</u></b>	<b><u>Location</u></b>	<b><u>Old Warning</u></b>	<b><u>New/Modified Warning</u></b>
N	E04H 9/04		Group E04H 9/04 is impacted by reclassification into group E04H 9/0215. Groups E04H 9/04 and E04H 9/0215 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.

## 2. A. DEFINITIONS (new)

### E04H 9/0215

#### Definition statement

*This place covers:*

Protection of buildings by reducing the movement of buildings, e.g. caused by earthquakes, using mass-spring system, or systems where the mass is actively moved in opposite phase to the building movement, or tanks with liquid mass, with or without baffles for impeding liquid movement.

### E02D 27/34

#### References

##### *Informative references*

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

Building constructions with protection arrangements against earthquakes	<a href="#">E04H 9/02</a>
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#### Special rules of classification

Looping references between [E02D 27/34](#) and [E04H 9/02](#) have been identified. Until this inconsistency is resolved, the current classification practice in CPC is as follows: both references should be treated as informative.

## 2. A. DEFINITIONS (modified)

### E04H 9/02

#### Special rules of classification

Replace: The existing paragraph with the following new paragraphs.  
(Note: Only the symbols changed in the first paragraph)

Use [E04H 9/0235](#) to classify anti-seismic devices with hydraulic or pneumatic damper and [E04H 9/0237](#) to classify structural braces with damping devices.

Looping references between [E04H 9/02](#) and [E02D 27/34](#) have been identified. Until this inconsistency is resolved, the current classification practice in CPC is as follows: both references should be treated as informative.

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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>
E04B1/985	Definition statement	This place covers:  Protection of buildings by reducing the movement of buildings, caused e.g. by wind or earthquakes, using mass-spring system, or systems where the masse is actively moved in opposite phase to the building movement, or tanks with liquid mass, with or without baffles for impeding liquid movement.	<u>Delete</u> the whole definition.
E04H9/02	Informative References	Building protection making use of active or passive dynamic mass damping systems <a href="#">E04B 1/985</a>	<u>Replace</u> : In the Informative references table, the symbol " <a href="#">E04B 1/985</a> " with the symbol " <a href="#">E04B 9/0215</a> "

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)

<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol(s)</b>
D	E04B 1/985	<administrative transfer to E04H 9/0215>
C	E04H 9/02	E04H 9/02, E04H 9/0235, E04H 9/0237
C	E04H 9/021	E04H 9/021, E04H 9/0215, E04H 9/0235, E04H 9/0237
C	E04H 9/022	E04H 9/022, E04H 9/0235, E04H 9/0237
C	E04H 9/023	E04H 9/023, E04H 9/0235, E04H 9/0237
D	E04H 2009/026	<administrative transfer to E04H 9/0235 INV>
C	E04H 9/04	E04H 9/04, E04H 9/0215

\* 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.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
E04B 1/985		DELETE
E04H 9/0215	E04H 9/02	NEW
E04H 9/0235	E04H 9/02	NEW
E04H 9/0237	E04H 9/02	NEW
E04H 2009/026		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.

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5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
F16F 7/10	E04B 1/985	Replace symbol with E04H 9/0215

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced** D symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.