

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 301

DATE: NOVEMBER 1, 2016

PROJECT DP0120

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>New/modified/deleted Definitions (no frozen (F)symbol definitions should deleted):</b>	C08K	Subclass
	C08K	5/00
	C08K	7/00

**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 Notice(s)
  - C. New, Modified or Deleted Note(s)
  - D. New, Modified or Deleted Guidance Heading(s)
2. DEFINITIONS ( 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)

## 2. A. DEFINITIONS (modified)

### C08K

**USE OF INORGANIC OR NON-MACROMOLECULAR ORGANIC SUBSTANCES AS COMPOUNDING INGREDIENTS** (pesticides, herbicides **A01N**; pharmaceuticals, cosmetics **A61K**; explosives **C06B**; paints, inks, varnishes, dyes, polishes, adhesives **C09**; lubricants **C10M**; detergents **C11D**; artificial filaments or fibres **D01F**; textile treating compositions **D06**)

#### Definition statement (modified)

Delete: From 5<sup>th</sup> bullet: •Non-macromolecular organic substances which are chemically embedded during crosslinking if they are defined by a Markush formula only or contain unsaturated compounds but no radical hardener, or if they consist of carbodiimid or a derivative derivative.

Add as replacement: at 5<sup>th</sup> bullet: •carbodiimide and derivatives (compounds which have the same chemical role as carbodiimides)

Add as 6<sup>th</sup> bullet: Vulcanizing agents for diene resins

#### Relationships with other classification places (modified)

Delete: Second paragraph “Crosslinking...”

#### Special rules of classification (modified)

Delete: At the end of the last paragraph “C08K”

Add as replacement: C08K2201/00-C08K2201/019.

Add the following at the end of Special rules of classification:

Places to classify non-radical crosslinking and chain-extending agents:

In C08K are classified radical cross-linking agents. When the added compound reacts as cross linking agent or chain extension agent via a non-radical mechanism (condensation or addition mechanism), it should not be classified in C08K. These are the places where such compounds in combination with polymers can be classified. They are principally classified by the type of cross-linking agent or by the type of the chemical modification of the polymer to be cross-linked.

**a) For C08B polymers (polysaccharides):**

It should be referred to C08B for each specific polymer

**b) For Diene rubbers (C08C):**

see C08C19/30:

**c) For Vinyl polymers (C08F):**

In C08F8/00, it should be referred to the chemistry of the modified polymer which is cross-linked.

**d) For Polyurethanes (C08G18/00):**

In C08G18/00, the use of cross linking agents is classified according to the corresponding chemistry (e.g. polyisocyanates)

Carbodiimides as cross linker can also be found in C08G18/797

**e) For Epoxy resins (C08G59/00) :**

Cross linking agents are classified in C08G59/40

**f) For Polyesters and polycarbonates(C08G63/00-C08G63/64):**

Symbols in C08G63/91 and C08G64/42 can be given.

**g) For Polyethers (C08G65/00):**

Symbols in C08G65/32 –C08G65/338 can be given.

**h) For Other polymers in C08G:**

Symbols can be given according to the modification of the polymer induced by the cross-linking reaction or the modification of the polymer which allows the cross-linking reaction.

**Synonyms and Keywords**

*abbreviations*

*In patent documents, the following abbreviations are often used:*

Phr	Parts per hundred parts of rubber
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**C08K5/00**

**Use of organic ingredients**

**Special rules of classification (Modified)**

Delete: at the bullet under “The following Indexing Codes...” C08K

Add as replacement: at the end of the bullet, add C08K2201/00-  
C08K2201/019

## **C08K7/00**

### **Use of ingredients characterised by shape**

#### **Definition statement (modified)**

##### Add after the first paragraph:

Polymer fibres like aramide fibres are to be classified in C08K7/02 and in their corresponding place in C08L.

Reinforced polymer or resin compositions and composites are classified in C08K7/00 when the amount of the fibres is generally lower than 50 % (volume or weight). Composites based on an higher content of fibres or based on fabric (woven or non-woven) are classified in C08J5/04 or in C08J5/24.

[C08J5/04](#) and [C08J5/24](#) refer to the reinforcement of polymer matrix (making composites) by using high amounts of fibres (generally more than 50 % (volume or weight)) in the sense that the fibres constitute the structure of the final product.