CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY
(NOTES omitted)

CHEMISTRY

C07 ORGANIC CHEMISTRY
(NOTES omitted)

C07B GENERAL METHODS OF ORGANIC CHEMISTRY; APPARATUS THEREFOR
(preparation of carboxylic acid esters by telomerisation C07C 67/47; telomerisation C08F)

NOTES

1. In this subclass, the functional group which is present already in some residue being introduced and is not substantially involved in a chemical reaction, is not considered as the functional group which is formed or introduced as a result of the chemical reaction.
2. In this subclass, the following term is used with the meaning indicated:
   - "separation" means separation only for the purposes of recovering organic compounds.
3. When classifying in this subclass, classification is also made in group B01D 15/08 insofar as subject matter of general interest relating to chromatography is concerned
4. In this subclass, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place according to the type of reaction employed, noting the bond or the functional group which is formed or introduced as a result of the chemical reaction.
5. {C07B 59/00 and subgroups thereof are used for the classification of individual labelled compounds as well as for general methods.}
6. {C07B 61/02 is used for the classification of individual free radicals as well as for general methods.}

WARNING

The following IPC group is not in the CPC scheme. The subject matter for this IPC group is classified in the following CPC group:

C07B 60/00 covered by C07B 61/02

31/00 Reduction in general

33/00 Oxidation in general

Reactions without formation or introduction of functional groups containing hetero atoms

35/00 Reactions without formation or introduction of functional groups containing hetero atoms, involving a change in the type of bonding between two carbon atoms already directly linked

35/02 . Reduction
35/04 . Dehydrogenation
35/06 . Decomposition, e.g. elimination of halogens, water or hydrogen halides
35/08 . Isomerisation

37/00 Reactions without formation or introduction of functional groups containing hetero atoms, involving either the formation of a carbon-to-carbon bond between two carbon atoms not directly linked already or the disconnection of two directly linked carbon atoms

37/02 . Addition
37/04 . Substitution
37/06 . Decomposition, e.g. elimination of carbon dioxide
37/08 . Isomerisation
37/10 . Cyclisation
37/12 . . Diels-Alder reactions

Reactions with formation or introduction of functional groups containing hetero atoms

39/00 Halogenation

41/00 Formation or introduction of functional groups containing oxygen

41/02 . of hydroxy or O-metal groups
41/04 . of ether, acetal or ketal groups
41/06 . of carbonyl groups
41/08 . of carboxyl groups or salts, halides or anhydrides thereof
41/10 . . Salts, halides or anhydrides of carboxyl groups
41/12 . of carboxylic acid ester groups
41/14 . of peroxy of hydroperoxy groups

43/00 Formation or introduction of functional groups containing nitrogen

43/02 . of nitro or nitroso groups
43/04 . of amino groups
43/06 . of amide groups
43/08 . of cyano groups
43/10 . of isocyanate groups

45/00 Formation or introduction of functional groups containing sulfur

45/02 . of sulfo or sulfonyldioxy groups

45/04 . of sulfonyl or sulfinyl groups
45/06 . of mercapto or sulfide groups

47/00 Formation or introduction of functional groups not provided for in groups C07B 39/00 - C07B 45/00

49/00 Grignard reactions

51/00 Introduction of protecting groups or activating groups, not provided for in the preceding groups

53/00 Asymmetric syntheses

55/00 Racemisation; Complete or partial inversion

57/00 Separation of optically-active compounds

59/00 Introduction of isotopes of elements into organic compounds {; Labelled organic compounds per se}
59/001 . {Acyclic or carbocyclic compounds}
59/002 . {Heterocyclic compounds}
59/004 . {Acyclic, carbocyclic or heterocyclic compounds containing elements other than carbon, hydrogen, halogen, oxygen, nitrogen, sulfur, selenium or tellurium}
59/005 . {Sugars; Derivatives thereof; Nucleosides; Nucleotides; Nucleic acids}
59/007 . {Steroids}
59/008 . {Peptides; Proteins}

61/00 Other general methods
61/02 . {Generation of organic free radicals; Organic free radicals per se}

Purification; Separation; Stabilisation

63/00 Purification; Separation (separation of optically-active compounds C07B 57/00)**; Stabilisation; Use of additives**
63/02 . by treatment giving rise to a chemical modification
63/04 . Use of additives {(anti-oxidant compositions or compositions inhibiting chemical change in general C09K 15/00)}

2200/00 Indexing scheme relating to specific properties of organic compounds
2200/01 . Charge-transfer complexes
2200/03 . Free radicals
2200/05 . Isotopically modified compounds, e.g. labelled
2200/07 . Optical isomers
2200/09 . Geometrical isomers
2200/11 . Compounds covalently bound to a solid support
2200/13 . Crystalline forms, e.g. polymorphs