

C 07 B GENERAL METHODS OF ORGANIC CHEMISTRY; APPARATUS THEREFOR (preparation of carboxylic acid esters by telomerisation C 07 C 67/47; telomerisation C 08 F)

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. [4]
- (2) In this subclass, the following term is used with the meaning indicated:
 - “separation” means separation only for the purposes of recovering organic compounds. [4]
- (3) In this subclass, 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. [4]
- (4) In this subclass, it is desirable to add the indexing codes of subclass C 07 M. The indexing codes should be unlinked. [6]

Subclass Index

REACTIONS WITHOUT FORMATION OR INTRODUCTION OF FUNCTIONAL GROUPS CONTAINING HETERO ATOMS	Sulfur-containing groups	45/00
Change of bond type between carbon atoms already directly linked	Other groups	47/00
Formation of new or disconnection of existing carbon-to-carbon bonds	GRIGNARD REACTIONS	49/00
REACTIONS WITH FORMATION OR INTRODUCTION OF FUNCTIONAL GROUPS CONTAINING HETERO ATOMS	INTRODUCTION OF PROTECTING OR ACTIVATING GROUPS NOT COVERED BY THE PRECEDING GROUPS	51/00
Halogenation	ASYMMETRIC SYNTHESSES	53/00
Oxygen-containing groups	RACEMISATION, INVERSION	55/00
Nitrogen-containing groups	SEPARATION, PURIFICATION, STABILISATION, USE OF ADDITIVES	57/00, 63/00
	INTRODUCTION OF ISOTOPES	59/00
	OTHER GENERAL METHODS	61/00

31/00 Reduction in general [4]

33/00 Oxidation in general [4]

Reactions without formation or introduction of functional groups containing hetero atoms [4]

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 [4]

- 35/02 . Reduction [4]
- 35/04 . Dehydrogenation [4]
- 35/06 . Decomposition, e.g. elimination of halogens, water or hydrogen halides [4]
- 35/08 . Isomerisation [4]

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 [4]

- 37/02 . Addition [4]
- 37/04 . Substitution [4]
- 37/06 . Decomposition, e.g. elimination of carbon dioxide [4]
- 37/08 . Isomerisation [4]
- 37/10 . Cyclisation [4]
- 37/12 . . Diels-Alder reactions [4]

Reactions with formation or introduction of functional groups containing hetero atoms [4]

39/00 Halogenation [4]

41/00 Formation or introduction of functional groups containing oxygen [4]

- 41/02 . of hydroxy or O-metal groups [4]
- 41/04 . of ether, acetal or ketal groups [4]
- 41/06 . of carbonyl groups [4]
- 41/08 . of carboxyl groups or salts, halides or anhydrides thereof [4]
- 41/10 . . Salts, halides or anhydrides of carboxyl groups [4]
- 41/12 . of carboxylic acid ester groups [4]
- 41/14 . of peroxy or hydroperoxy groups [4]

43/00 Formation or introduction of functional groups containing nitrogen [4]

- 43/02 . of nitro or nitroso groups [4]
- 43/04 . of amino groups [4]
- 43/06 . of amide groups [4]
- 43/08 . of cyano groups [4]
- 43/10 . of isocyanate groups [4]

45/00 Formation or introduction of functional groups containing sulfur [4]

- 45/02 . of sulfo or sulfonyldioxy groups [4]
- 45/04 . of sulfonyl or sulfinyl groups [4]
- 45/06 . of mercapto or sulfide groups [4]

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47/00 **Formation or introduction of functional groups not provided for in groups 39/00 to 45/00 [4]**

49/00 **Grignard reactions [4]**

51/00 **Introduction of protecting groups or activating groups, not provided for in the preceding groups [4]**

53/00 **Asymmetric syntheses [4]**

55/00 **Racemisation; Complete or partial inversion [4]**

57/00 **Separation of optically-active compounds [4]**

59/00 **Introduction of isotopes of elements into organic compounds [4]**

61/00 **Other general methods [4]**

61/02 . Generation of organic free radicals [4]

Purification; Separation; Stabilisation [4]

63/00 **Purification; Separation** (separation of optically-active compounds 57/00); **Stabilisation; Use of additives [4]**

63/02 . by treatment giving rise to a chemical modification [4]

63/04 . Use of additives [4]
