

Title (en)

METHOD FOR PRODUCING ALKYLPHOSPHONOUS ACID SALTS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ALKYLPHOSPHONIGSÄURESALZEN

Title (fr)

PROCÉDÉ DE PRODUCTION DE SELS D'ACIDES ALKYLPHOSPHONIQUES

Publication

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Application

**EP 11715885 A 20110420**

Priority

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Abstract (en)

[origin: WO2011134621A2] The invention relates to a method for producing alkylphosphonous acid salts, characterised in that a) a phosphinic acid source (I) is reacted with olefins (IV) in the presence of a catalyst A to obtain an alkylphosphonous acid, the salts or esters thereof (II), b) the thus obtained alkylphosphonous acid, the salts or esters thereof (II) are reacted with metal compounds of Mg, Ca, Al, Sb, Sn, Ge, Ti, Fe, Zr, Zn, Ce, Bi, Sr, Mn, Li, Na, K and/or a protoned nitrogen base to obtain the corresponding alkylphosphonous acid salts (III) of said metals and/or a nitrogen compound, wherein R1, R2, R3, R4 are the same or different and independently of each other represent H, C1-C18-alkyl, C6-C18-aryl, C7-C18-arylalkyl, C7-C18-alkylaryl and Y represents Mg, Ca, Al, Sb, Sn, Ge, Ti, Fe, Zr, Zn, Ce, Bi, Sr, Mn, Li, Na, K and/or a nitrogen compound and n represents 1/4, 1/3, 1/2, 1 and the catalyst A is a transition metal and/or transition metal compound and/or catalyst systems which are composed of a transition metal and/or a transition metal compound and at least one ligand.

IPC 8 full level

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Citation (search report)

See references of WO 2011134621A2

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