

Title (en)

METHOD FOR PRODUCING AMINOALKYLALKOXYSILANES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON AMINOALKYLALKOXYSILANEN

Title (fr)

PROCÉDÉ DE PRODUCTION D'AMINOALKYLALKOXYSILANES

Publication

EP 2828270 A1 20150128 (DE)

Application

EP 13709393 A 20130306

Priority

- DE 102012204315 A 20120319
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Abstract (en)

[origin: WO2013139604A1] The invention relates to a method for synthesizing aminoalkylalkoxysilanes of the general formula I $RR'N-X-Si(R_1)_n(OR_2)_3-n$, and hydrohalogenides thereof, by reacting the halogen (alkylhalogen) silane of the general formula II $Y-X-Si(R_1)_nZ^{3-n}$ II, with ammonia or an organic amine of the general formula III, $R-NH-R'$, and an alcohol of the general formula IV, R_2-OH , where R and R' denote hydrogen or hydrocarbon residual having 1 to 12 C-atoms, wherein non-adjacent carbon atoms can be replaced by nitrogen atoms or oxygen atoms, R1 means hydrocarbon residual having 1 to 8 C-atoms, wherein non-adjacent carbon atoms can be replaced by oxygen atoms, R2 denotes an alkyl group having 1 to 8 C-atoms, wherein non-adjacent carbon atoms can be replaced by oxygen, X denotes a bivalent alkyl group having 1 to 12 C-atoms, Y and Z denotes halogen and n denotes the values 0, 1 or 2.

IPC 8 full level

C07F 7/18 (2006.01)

CPC (source: EP US)

C07F 7/1804 (2013.01 - EP US); **C07F 7/188** (2013.01 - EP US)

Citation (search report)

See references of WO 2013139604A1

Cited by

WO2019154479A1; US11440926B2

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