

Title (en)

PROCESS FOR PRODUCING 1-CHLORO-2,2-DIFLUOROETHANE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON 1-CHLOR-2,2-DIFLUORETHAN

Title (fr)

PROCEDE DE FABRICATION DU 1-CHLORO-2,2,DIFLUOROETHANE

Publication

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Application

EP 14821753 A 20141128

Priority

- FR 1362095 A 20131204
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Abstract (en)

[origin: CA2931400A1] The present invention relates to the field of saturated fluorohydrocarbons. The subject matter thereof is more particularly the production of 1-chloro-2,2-difluoroethane from 1,1,2-trichloroethane and/or 1,2-dichloroethylene. The present invention provides a process for producing 1-chloro-2,2-difluoroethane from 1,1,2-trichloroethane and/or 1,2-dichloroethylene comprising (i) at least one step during which the 1,1,2-trichloroethane and/or the 1,2-dichloroethylene reacts or react with hydrofluoric acid in the gas phase, optionally in the presence of an oxidizing agent, in the presence or in the absence of a fluorination catalyst, to give a stream comprising 1-chloro-2,2-difluoroethane, hydrochloric acid, hydrofluoric acid and at least one C compound(s) chosen from 1-chloro-2-fluoroethylenes (cis and trans), 1,2-dichloro-2-fluoroethane and, optionally, unreacted 1,1,2-trichloroethane and/or 1,2-dichloroethylene.

IPC 8 full level

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