Title (en)

METHOD FOR THE PRODUCTION OF 2,3,3,3-TETRAFLUOROPROPENE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON 2,3,3,3-TETRAFLUORPROPEN

Title (fr)

PROCEDE POUR LA PRODUCTION DE 2,3,3,3-TETRAFLUOROPROPENE

Publication

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Application

EP 18773791 A 20180716

Priority

- FR 1756728 A 20170717
- FR 2018051797 W 20180716

Abstract (en)

[origin: WO2019016458A1] The invention relates to a method for producing 2,3,3,3-tetrafluoropropene, comprising the following steps: i) in a first reactor, contacting 2-chloro-3,3,3-trifluoropropene with gas-phase hydrofluoric acid in the presence of a catalyst to produce a stream A comprising 2,3,3,3-tetrafluoropropene, HF and unreacted 2-chloro-3,3,3-trifluoropropene; ii) and, in a second reactor, contacting in gas phase, and optionally in the presence of a catalyst, hydrofluoric acid with at least one chlorinated compound selected from the group consisting of 1,1,1,2,3-pentachloropropane, 2,3-dichloro-1,1,1-trifluoropropane and,1,2,3-tetrachloropropene to produce a stream B comprising 2-chloro-3,3,3-trifluoropropene; characterised in that the stream A obtained in step i) feeds the second reactor used for step ii); and in that step i) is carried out at a temperature not exceeding the temperature at which step ii) is carried out.

IPC 8 full level

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