

Title (en)
PROCESS FOR THE PRODUCTION OF 2,3,3,3-TETRAFLUOROPROPENE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON 2,3,3,3-TETRAFLUORPROPEN

Title (fr)
PROCÉDÉ DE PRODUCTION DU 2,3,3,3-TÉTRAFLUOROPROPÈNE

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Application
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Abstract (en)
[origin: WO2019170991A1] The present invention relates to a process for producing 2,3,3,3-tetrafluoropropene, comprising the steps of: i) in a first reactor, contacting a stream A containing 2-chloro -3,3,3-trifluoropropene with hydrofluoric acid in gas phase in the presence of a catalyst, to produce a stream B containing 2,3,3,3-tetrafluoropropene, HF and unreacted 2-chloro -3,3,3-trifluoropropene; and ii) in a second reactor, contacting, in gas phase and optionally in the presence of a catalyst, hydrofluoric acid with a stream containing at least one chlorinated compound selected from the group consisting of 1,1,1,2,3-pentachloropropane, 2,3-dichloro-1,1,1-trifluoropropane, 2,3,3,3-tetrachloropropene and 1,1,2,3-tetrachloropropene to produce a stream C containing 2-chloro-3,3,3-trifluoropropene, characterised in that the stream B obtained in step i) supplies said second reactor used in step ii); and in that the electrical conductivity of said stream A supplied at step i) is lower than 15 mS/cm.

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