

Title (en)
PROCESS FOR COMBINING CHLORINE-CONTAINING MOLECULES TO SYNTHESIZE FLUORINE-CONTAINING PRODUCTS

Title (de)
VERFAHREN ZUR KOMBINATION VON CHLORHALTIGEN MOLEKÜLEN UM FLUOR ENTHALTENDE PRODUKTE ZU SYNTHETISIEREN

Title (fr)
PROCEDE DE COMBINAISON DE MOLECULES CHLOREES POUR LA SYNTHESE DE PRODUITS FLUORES

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EP 0714384 A1 19960605 (EN)

Application
EP 94925790 A 19940810

Priority
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Abstract (en)
[origin: WO9505353A1] Alternatives to chlorofluorocarbons are provided by the inventive process for synthesizing fluorine-containing products RCF_bH_c+a-1Hf+d-1FeCR' which may optionally be carried out without the isolation of any intermediate in a single reactor or a series of reactors. The process comprises combining chlorine-containing reactants R₂CCl_aF_bH_c and R'CCl_dFeH_f in the presence of hydrogen and at least one catalyst. R and R' are chosen from the group consisting of halogens, halogenated hydrocarbons, and hydrocarbons, and at least one of R and R' contains fluorine, a and d are integers from 1 to 3, b, c, e, and f are integers from 0 to 2, the sum of a, b, and c is 3, and the sum of d, e, and f is 3, and further treating the coupled products in the presence of an optional catalyst with hydrogen or a fluorinating agent.

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