

Title (en)
USE OF A COMPOSITION OF AN IONIC NATURE AS A SUBSTRATE REAGENT, A COMPOSITION CONSTITUTING A FLUORINATION REAGENT AND A METHOD USING SAME

Title (de)
VERWENDUNG EINER IONISCHEN ZUSAMMENSETZUNG ALS SUBSTITUTIONSREAKTIONSMITTEL, FLUORIERUNGSREAKTIONSMITTEL ENTHALTENDER ZUSAMMENSETZUNG UND VERFAHREN IN DEM DIESE VERWENDET WIRD

Title (fr)
UTILISATION D'UNE COMPOSITION DE NATURE IONIQUE COMME REACTIF DE SUBSTITUTION, COMPOSITION CONSTITUANT UN REACTIF DE FLUORATION ET PROCEDE L'UTILISANT

Publication
EP 1401844 A2 20040331 (FR)

Application
EP 02732875 A 20020516

Priority

- FR 0201657 W 20020516
- FR 0106531 A 20010517
- FR 0205984 A 20020515

Abstract (en)
[origin: WO02092608A2] The invention relates to a novel method for producing nucleophilic substitutions, particularly of type S_NAr and S_N2. More specifically, the invention relates to the use as a fluorinating reaction medium of ionic liquid or fused salt comprising at least four carbon atoms. The invention can be used for the synthesis of fluoride derivatives.

IPC 1-7
C07F 9/00; **C07B 37/04**; **C07C 17/20**

IPC 8 full level
C07D 233/06 (2006.01); **C07B 39/00** (2006.01); **C07B 61/00** (2006.01); **C07C 17/14** (2006.01); **C07C 17/20** (2006.01); **C07C 22/08** (2006.01); **C07C 25/13** (2006.01); **C07C 205/12** (2006.01); **C07D 521/00** (2006.01); **C07F 9/54** (2006.01)

CPC (source: EP US)
C07B 39/00 (2013.01 - EP US); **C07C 17/208** (2013.01 - EP US); **C07C 205/12** (2013.01 - EP US); **C07D 231/12** (2013.01 - EP US); **C07D 233/56** (2013.01 - EP US); **C07D 249/08** (2013.01 - EP US); **C07F 9/54** (2013.01 - EP US); **Y02P 20/54** (2015.11 - EP US)

C-Set (source: EP US)

1. **C07C 17/208** + **C07C 25/13**
2. **C07C 17/208** + **C07C 22/08**

Citation (search report)
See references of WO 02092608A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02092608 A2 20021121; **WO 02092608 A3 20031224**; AU 2002304483 A1 20021125; CA 2445459 A1 20021121; CN 100545133 C 20090930; CN 1529684 A 20040915; EP 1401844 A2 20040331; HU P0400827 A2 20040728; HU P0400827 A3 20060328; JP 2004529956 A 20040930; JP 2008044944 A 20080228; MX PA03010352 A 20040316; US 2004144947 A1 20040729; US 2009036718 A1 20090205; US 7393980 B2 20080701

DOCDB simple family (application)
FR 0201657 W 20020516; AU 2002304483 A 20020516; CA 2445459 A 20020516; CN 02810044 A 20020516; EP 02732875 A 20020516; HU P0400827 A 20020516; JP 2002589491 A 20020516; JP 2007213656 A 20070820; MX PA03010352 A 20020516; US 11323208 A 20080501; US 47749703 A 20031112