

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
22 June 2006 (22.06.2006)

PCT

(10) International Publication Number
WO 2006/065038 A1

(51) International Patent Classification:

C07C 17/007 (2006.01) *C07D 233/58* (2006.01)
C07C 69/76 (2006.01)

(21) International Application Number:

PCT/KR2005/004228

(22) International Filing Date:

9 December 2005 (09.12.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10-2004-0106553

15 December 2004 (15.12.2004) KR

10-2005-0084411

10 September 2005 (10.09.2005) KR

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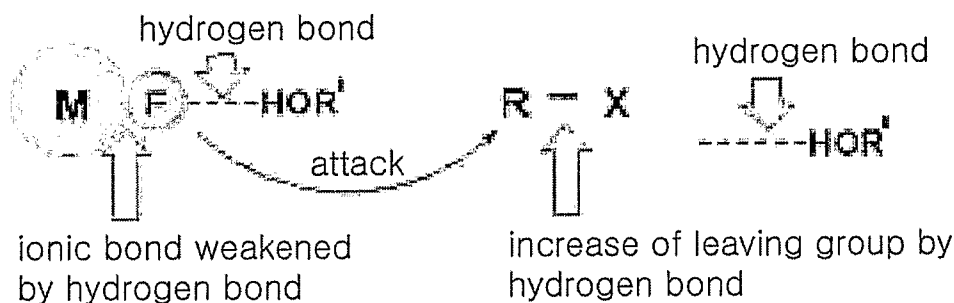
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kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KN, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY,
MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: METHOD FOR PREPARATION OF ORGANOFLUORO COMPOUNDS IN ALCOHOL SOLVENTS



M = alkali metal, alkaline earth metal or alkylammonium
 X = SO₃R¹² or halogen except fluorine

(57) Abstract: The present invention relates to a method for preparation of organofluoro compounds containing radioactive isotope fluorine- 18. More particularly, the present invention relates to a method for preparation of organofluoro compound by reacting fluorine salt containing radioactive isotope fluorine- 18 with alkyl halide or alkyl sulfonate in the presence of alcohol of Chemistry (Figure 1) as a solvent to obtain high yield of organofluoro compound. Synthesis reaction according to the present invention may be carried out under mild condition to give high yield of the organofluoro compounds and the reaction time is decreased, and thereby is suitable for the mass production of the organofluoro compounds.

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