

Title (en)
PROCESS FOR PREPARING QUATERNARY AMMONIUM COMPOUNDS

Publication
EP 0075066 B1 19870114 (DE)

Application
EP 82103157 A 19820415

Priority
DE 3136628 A 19810915

Abstract (en)
[origin: US4480126A] Process for the preparation of quaternary ammonium compounds by reacting a tertiary amine with a vicinal halohydrin having at least 6 carbon atoms, and quaternary ammonium compounds prepared thereby.

IPC 1-7
C07C 89/02; **C07C 91/26**; **C07C 87/30**; **C07C 85/24**; **C11D 1/62**; **D06M 13/46**

IPC 8 full level
C11D 3/30 (2006.01); **C07C 67/00** (2006.01); **C07C 209/00** (2006.01); **C07C 209/12** (2006.01); **C07C 211/63** (2006.01); **C07C 211/64** (2006.01); **C09K 3/16** (2006.01); **C11D 1/62** (2006.01); **D06M 13/02** (2006.01); **D06M 13/322** (2006.01); **D06M 13/385** (2006.01); **D06M 13/46** (2006.01); **D06M 13/463** (2006.01); **D06M 16/00** (2006.01)

CPC (source: EP US)
C11D 1/62 (2013.01 - EP US); **D06M 13/385** (2013.01 - EP US); **D06M 13/463** (2013.01 - EP US); **D06M 16/00** (2013.01 - EP US); **D06M 2200/00** (2013.01 - EP US); **D06M 2200/50** (2013.01 - EP US)

Cited by
EP2084139A4; US8134011B2; US8575358B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0075066 A2 19830330; **EP 0075066 A3 19840905**; **EP 0075066 B1 19870114**; AT E24890 T1 19870115; BR 8202351 A 19831116; DE 3136628 A1 19830331; DE 3275085 D1 19870219; JP H0237341 B2 19900823; JP S5846043 A 19830317; US 4480126 A 19841030; ZA 822758 B 19830427

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EP 82103157 A 19820415; AT 82103157 T 19820415; BR 8202351 A 19820423; DE 3136628 A 19810915; DE 3275085 T 19820415; JP 6482982 A 19820420; US 36975982 A 19820419; ZA 822758 A 19820422