

Title (en)
IONIC LIQUIDS

Title (de)
IONISCHE FLÜSSIGKEITEN

Title (fr)
LIQUIDES IONIQUES

Publication
EP 0693088 A1 19960124 (EN)

Application
EP 95907752 A 19950209

Priority
• GB 9500252 W 19950209
• GB 9402572 A 19940210
• GB 9404104 A 19940303

Abstract (en)
[origin: WO9521871A1] This invention relates to an ionic liquid comprising a dialkyl substituted imidazolium halide wherein at least one of the said alkyl substituents has 6 or more carbon atoms, a method of preparation of such imidazolium halides, and the use thereof for hydrocarbon conversion reactions such as oligomerization or polymerization of olefins and for the alkylation of paraffins, isoparaffins or aromatics with olefins. Polymerization of C4 raffinates using these ionic liquids as catalysts enables a much higher percentage of n-butenes to be incorporated in the product polymer than would be possible in conventional cationic polymerization processes.

IPC 1-7
C08F 4/00; **C07C 2/54**; **C08F 10/00**

IPC 8 full level
C07D 233/06 (2006.01); **B01J 31/02** (2006.01); **C07B 61/00** (2006.01); **C07C 2/08** (2006.01); **C07C 2/26** (2006.01); **C07C 2/58** (2006.01); **C07C 2/64** (2006.01); **C07C 2/66** (2006.01); **C07C 11/02** (2006.01); **C07C 15/02** (2006.01); **C08F 4/00** (2006.01); **C08F 4/642** (2006.01); **C08F 10/00** (2006.01)

CPC (source: EP)
C07C 2/26 (2013.01); **C07C 2/58** (2013.01); **C07C 2/66** (2013.01); **C08F 10/00** (2013.01); **C07C 2531/02** (2013.01); **C07C 2531/14** (2013.01)

Citation (search report)
See references of WO 9521871A1

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

DOCDB simple family (publication)
WO 9521871 A1 19950817; AU 1584895 A 19950829; BR 9505775 A 19960227; CA 2159479 A1 19950817; CN 1123031 A 19960522; CZ 257695 A3 19960117; EP 0693088 A1 19960124; FI 954807 A0 19951009; FI 954807 A 19951009; JP H08509242 A 19961001; MX 9504271 A 19970430; NO 954015 D0 19951009; NO 954015 L 19951009

DOCDB simple family (application)
GB 9500252 W 19950209; AU 1584895 A 19950209; BR 9505775 A 19950209; CA 2159479 A 19950209; CN 95190080 A 19950209; CZ 257695 A 19950209; EP 95907752 A 19950209; FI 954807 A 19951009; JP 52104695 A 19950209; MX 9504271 A 19950209; NO 954015 A 19951009