

Title (en)
Selective removal of aromatics

Title (de)
Selektives Entfernen von Aromaten

Title (fr)
Suppression sélective d'aromatiques

Publication
EP 2338955 A1 20110629 (EN)

Application
EP 09252723 A 20091203

Priority
EP 09252723 A 20091203

Abstract (en)
According to the present invention there is provided a process for reducing the concentration of one or more aromatic compounds in a feedstock comprising one or more aromatic compounds and one or more olefinic compounds, which process comprises contacting the feedstock with an ionic liquid comprising an anionic component and a cationic component to produce a product with a higher mole ratio of olefinic compounds to aromatic compounds than the feedstock, and an ionic liquid phase with a lower mole ratio of olefinic compounds to aromatic compounds than the feedstock, wherein the surface charge profile of the cationic component has a maximum value at a charge density value (\bar{A}) in the range $-0.0085 < \bar{A} < -0.0040 \text{ e}/\bar{A}^2$, and wherein from 25% to 65% of the molecular surface area of the anionic component has a charge density value (\bar{A}) in the range $-0.0085 < \bar{A} < +0.0085 \text{ e}/\bar{A}^2$, where e represents the charge of an electron.

IPC 8 full level
B01D 11/04 (2006.01); **C07C 7/10** (2006.01); **C10G 21/06** (2006.01); **C10G 21/27** (2006.01)

CPC (source: EP)
C10G 21/06 (2013.01); **C10G 21/27** (2013.01)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2338955 A1 20110629

