

Title (en)
METHOD FOR PRODUCING ALKYL-AROMATIC COMPOUNDS BY DIRECT ALKYLATION OF AROMATIC HYDROCARBONS WITH ALKANES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON ALKYLAROMATEN DURCH DIREKTALKYLIERUNG VON AROMATISCHEN KOHLENWASSERSTOFFEN MIT ALKANEN

Title (fr)
PROCEDE DE PRODUCTION DE COMPOSES ALKYLE AROMATIQUES PAR ALKYLATION DIRECTE D'HYDROCARBURES AROMATIQUES AVEC DES ALCANES

Publication
EP 1776325 A1 20070425 (DE)

Application
EP 05777484 A 20050804

Priority

- EP 2005008465 W 20050804
- DE 102004038108 A 20040805

Abstract (en)
[origin: WO2006015798A1] The invention relates to a method for producing alkyl-aromatic compounds by reacting aromatic compounds with C₁-C₁₄ alkanes in the presence of a heterogeneous catalyst. Said catalyst can be a crystalline, microporous and/or mesoporous solid containing silicon and at least one additional element selected from the group including the transition metals and the main group metals gallium and tin and is activated by way of a reducing pretreatment. The invention also relates to a method for producing alkylaryl sulfonates by sulfonation and neutralization of the alkyl-aromatic compounds.

IPC 8 full level
C07C 2/76 (2006.01); **C07C 15/00** (2006.01); **C07C 15/02** (2006.01); **C07C 15/107** (2006.01)

CPC (source: EP US)
C07C 2/76 (2013.01 - EP US); **C07C 303/06** (2013.01 - EP US)

Citation (search report)
See references of WO 2006015798A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006015798 A1 20060216; DE 102004038108 A1 20060316; EP 1776325 A1 20070425; JP 2008508345 A 20080321; US 2009134066 A1 20090528

DOCDB simple family (application)
EP 2005008465 W 20050804; DE 102004038108 A 20040805; EP 05777484 A 20050804; JP 2007524283 A 20050804; US 65942205 A 20050804