

Title (en)
METHOD FOR THE SIDECHAIN ALKYLATION OF ALKYL BENZENES

Title (de)
VERFAHREN ZUR SEITENKETTENALKYLIERUNG VON ALKYL BENZOLEN

Title (fr)
PROCEDE D'ALKYLATION DE CHAÎNE LATÉRALE D'ALKYL BENZENES

Publication
EP 1280748 A1 20030205 (DE)

Application
EP 01929628 A 20010508

Priority

- DE 10022439 A 20000509
- DE 10023771 A 20000515
- EP 0105217 W 20010508

Abstract (en)
[origin: WO0185652A1] The invention relates to a method for the sidechain alkylation of alkylbenzenes (I), comprising at least one alkyl sidechain with a α -hydrogen atom, by reaction of the alkylbenzene (I) with a monoolefin in the presence of an alkali metal catalyst, comprising a mixture of an alkali metal and an inorganic substance as support. The invention is characterised in that the inorganic substance comprises a mixture of potassium carbonate and at least one alkali metal chloride, chosen from sodium or potassium chloride. The invention further relates to a method for the production of the catalysts applied in the above method.

IPC 1-7
C07C 2/72; B01J 27/232

IPC 8 full level
B01J 23/04 (2006.01); **B01J 27/10** (2006.01); **B01J 27/232** (2006.01); **C07B 61/00** (2006.01); **C07C 2/72** (2006.01); **C07C 15/02** (2006.01)

CPC (source: EP US)
B01J 23/04 (2013.01 - EP US); **B01J 27/10** (2013.01 - EP US); **B01J 27/232** (2013.01 - EP US); **C07C 2/72** (2013.01 - EP US); **C07C 2527/10** (2013.01 - EP US); **C07C 2527/232** (2013.01 - EP US)

Citation (search report)
See references of WO 0185652A1

Citation (examination)

- US 5523504 A 19960604 - ITOH TAKASHI [JP]
- US 5474963 A 19951212 - NAKAGAWA KANJI [JP], et al
- DATABASE WPI Week 199146, Derwent World Patents Index; Class A41, AN 1991-339707
- DATABASE WPI Section Ch Week 198825, Derwent World Patents Index; Class A17, AN 1981-03017D

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0185652 A1 20011115; CN 1427810 A 20030702; EP 1280748 A1 20030205; JP 2003532694 A 20031105; US 2003097033 A1 20030522

DOCDB simple family (application)
EP 0105217 W 20010508; CN 01808822 A 20010508; EP 01929628 A 20010508; JP 2001582254 A 20010508; US 25894402 A 20021029