

Title (en)
METHOD FOR THE PRODUCTION OF ALKYL ARYL SULPHONATES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON ALKYLARYLSULFONATEN

Title (fr)
PROCEDE POUR PRODUIRE DES ALKYLARYLSULFONATES

Publication
EP 1343742 A1 20030917 (DE)

Application
EP 01998522 A 20011116

Priority
• DE 10059398 A 20001130
• EP 0113322 W 20011116

Abstract (en)
[origin: WO0244114A1] The production of alkyl aryl compounds can be achieved by the following steps: 1) production of an olefin mixture, comprising, as a statistical mean, predominantly single-branched C>10-14< olefins, by means of a) reaction of a C>4< olefin mixture on a metathesis catalyst to give an olefin mixture containing 2-pentene and/or 3-hexene and optional separation of 2-pentene and/or 3-hexene, followed by dimerisation of the obtained 2-pentene and/or 3-hexene on a dimerisation catalyst to give a mixture containing C>10-12< olefins and optional separation of the C>10-12< olefins, or b) extraction of predominantly single-branched paraffins from kerosene fractions and subsequent dehydrogenation, or c) Fischer-Tropsch synthesis of olefins or paraffins, whereby the paraffins are dehydrogenated, or d) dimerisation of short-chain internal olefins, or e) isomerisation of linear olefins or paraffins, whereby the isomerised paraffins are dehydrogenated, 2) reaction of the olefin mixture obtained in step 1) with an aromatic hydrocarbon in the presence of an alkylation catalyst containing zeolites of the faujasite type.

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IPC 8 full level
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Citation (search report)
See references of WO 0244114A1

Citation (examination)
• WO 0214266 A1 20020221 - BASF AG [DE], et al
• J. M. NEWSAM ET AL.: "The Structure of Zeolite ZSM-20", CHEMICAL COMMUNICATIONS - CHEMCOM., 1989, GBROYAL SOCIETY OF CHEMISTRY., pages 493 - 495

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