

Title (en)

METHOD FOR CATALYTICALLY REACTING ISOPARRAFINS WITH OLEFINS TO FORM ALKYLATES

Title (de)

VERFAHREN ZUM KATALYTISCHEN UMSETZEN VON ISOPARAFFINEN MIT OLEFINEN ZU ALKYLATEN

Title (fr)

PROCEDE DE REACTION CATALYTIQUE D'ISOPARAFFINES AVEC DES OLEFINES POUR PRODUIRE DES ALKYLATS

Publication

**EP 1395533 A1 20040310 (DE)**

Application

**EP 02704767 A 20020326**

Priority

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Abstract (en)

[origin: WO02094747A1] At least one isoparaffin with 4-6 carbon atoms per molecule is reacted in the presence of a catalyst with at least one olefin with 2-6 atoms per molecule in a liquid phase to form an alkylate. The isoparaffin and a suspension containing a particulate zeolite catalyst are fed to the upper area of a reaction column. An isoparaffin-olefin mixture is introduced into the reaction column below the feed point of the catalyst-containing suspension, the temperatures in the reaction column being maintained at 50 - 120 DEG C. An alkylate-containing product mixture is extracted from the bottom area of the reaction column and an alkylate product is obtained therefrom by means of distillatory separation. Preferably, isoparaffin and a catalyst can be recovered from the distallatory separation and be at least partially returned to the upper area of the reaction column.

IPC 1-7

**C07C 2/58**

IPC 8 full level

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CPC (source: EP US)

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