

Title (en)

Process of isomerisation of a C7 cut with coproduction of a cyclic cut comprising mainly methyl cyclohexane

Title (de)

Verfahren zur Isomerisierung von einer C7-Fraktion mit Koproduktion von einer cyclischen Methylcyclohexan-reichen Fraktion

Title (fr)

Procédé d'isomérisation d'une coupe C7 avec coproduction d'une coupe cycliques riche en méthylcyclohexane

Publication

**EP 1640436 B1 20070926 (FR)**

Application

**EP 05291856 A 20050907**

Priority

FR 0409998 A 20040922

Abstract (en)

[origin: EP1640436A1] Preparation of an isomerate (I) and coproduction of a naphthenic fraction (F) (comprising mainly methylcyclohexane and optionally toluene) from a fraction (comprising hydrocarbons containing paraffins, naphthenes and aromatics), comprises: using a distillation column, at least an isomerization unit and separation unit for normal paraffin and cyclic molecules, where (I) contains less than 1 (preferably 0.5) wt.% of aromatics. Preparation of an isomerate (I) (having research octane number of 80) and coproduction of a naphthenic fraction (F) (comprising mainly methylcyclohexane and optionally toluene) from a fraction (comprising hydrocarbons (with 7 carbon atoms) containing paraffins, naphthenes and aromatics), comprises: using a distillation column, at least an isomerization unit and separation unit for normal paraffin and cyclic molecules (preferably methylcyclohexane), where (I) contains less than 1 (preferably 0.5) wt.% of aromatics.

IPC 8 full level

**C10G 25/00** (2006.01); **C10G 67/06** (2006.01)

CPC (source: EP US)

**C10G 25/00** (2013.01 - EP US); **C10G 67/06** (2013.01 - EP US); **C10G 2400/02** (2013.01 - EP US)

Cited by

FR3034764A1

Designated contracting state (EPC)

BE DE GB IT NL

DOCDB simple family (publication)

**EP 1640436 A1 20060329**; **EP 1640436 B1 20070926**; DE 602005002597 D1 20071108; DE 602005002597 T2 20080131; FR 2875507 A1 20060324; FR 2875507 B1 20081031; US 2006065576 A1 20060330; US 7481916 B2 20090127

DOCDB simple family (application)

**EP 05291856 A 20050907**; DE 602005002597 T 20050907; FR 0409998 A 20040922; US 23224605 A 20050922