

Title (en)

A process for effecting catalytic isomerization of monocyclic methyl-substituted aromatic hydrocarbon compounds.

Title (de)

Verfahren zum Durchführen der katalytischen Isomerisierung von monozyklischen methylsubstituierten aromatischen Kohlenwasserstoff-Verbindungen.

Title (fr)

Procédé pour effectuer l'isomérisation catalytique de composés hydrocarbonés aromatiques monocycliques substitués par des groupes méthyle.

Publication

**EP 0000432 A1 19790124 (EN)**

Application

**EP 78300119 A 19780705**

Priority

US 81391177 A 19770708

Abstract (en)

A process for vapour-phase catalytic isomerization of monocyclic methyl-substituted aromatic hydrocarbon compounds of from 8 to 10 carbon atoms contained in a feedstock also containing ethylbenzene. The catalyst for the process comprises a zeolite having a constraint index of 1 to 12. The improvement in the process comprises treating the catalyst with one or more basic nitrogen compounds or precursors thereof.

IPC 1-7

**C07C 15/02**; B01J 29/28; C07C 5/24; C07C 5/30

IPC 8 full level

**B01J 29/00** (2006.01); **B01J 29/40** (2006.01); **B01J 31/00** (2006.01); **C07C 1/00** (2006.01); **C07C 5/27** (2006.01); **C07C 15/08** (2006.01); **C07C 67/00** (2006.01); **B01J 29/65** (2006.01); **B01J 29/70** (2006.01)

CPC (source: EP US)

**B01J 29/40** (2013.01 - EP US); **C07C 5/2737** (2013.01 - EP US); **B01J 29/65** (2013.01 - EP US); **B01J 29/70** (2013.01 - EP US); **B01J 2229/26** (2013.01 - EP US); **B01J 2229/42** (2013.01 - EP US); **C07C 2529/40** (2013.01 - EP US); **C07C 2529/70** (2013.01 - EP US)

C-Set (source: EP US)

**C07C 5/2737 + C07C 15/02**

Citation (search report)

- [D] US 3856872 A 19741224 - MORRISON R
- US 3992466 A 19761116 - PLANK CHARLES J, et al
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Designated contracting state (EPC)

BE DE FR GB NL

DOCDB simple family (publication)

**EP 0000432 A1 19790124**; **EP 0000432 B1 19830525**; AR 223821 A1 19810930; CA 1098918 A 19810407; DE 2862267 D1 19830707; ES 471561 A1 19790116; IN 149346 B 19811031; IT 1109966 B 19851223; IT 7825466 A0 19780707; JP S5419921 A 19790215; JP S6024771 B2 19850614; MX 4173 E 19820115; US 4158676 A 19790619; ZA 783919 B 19800227

DOCDB simple family (application)

**EP 78300119 A 19780705**; AR 27288378 A 19780707; CA 306268 A 19780627; DE 2862267 T 19780705; ES 471561 A 19780707; IN 713CA1978 A 19780628; IT 2546678 A 19780707; JP 8213578 A 19780707; MX 720878 U 19780706; US 91541478 A 19780614; ZA 783919 A 19780707