

Title (en)

METHOD FOR MANUFACTURING AROMATIC HYDROCARBON

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES AROMATISCHEN KOHLENWASSERSTOFFS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN HYDROCARBURE AROMATIQUE

Publication

**EP 2617697 B1 20170118 (EN)**

Application

**EP 11825182 A 20110914**

Priority

- JP 2010205903 A 20100914
- JP 2011070925 W 20110914

Abstract (en)

[origin: EP2617697A1] Disclosed is a method for producing aromatic hydrocarbons, the method including a cracking reforming reaction step of bringing a feedstock having a 10 vol% distillation temperature of 140°C or higher and a 90 vol% distillation temperature of 380°C or lower, into contact with a catalyst for monocyclic aromatic hydrocarbon production containing a crystalline aluminosilicate to cause the feedstock to react with the catalyst, and thereby obtaining a product including monocyclic aromatic hydrocarbons having 6 to 8 carbon numbers and a heavy oil fraction having 9 or more carbon numbers; a separation step of respectively separating the monocyclic aromatic hydrocarbons having 6 to 8 carbon numbers and the heavy oil fraction having 9 or more carbon numbers from the product obtained from the cracking reforming reaction step; a purification and collecting step of purifying the monocyclic aromatic hydrocarbons having 6 to 8 carbon numbers thus separated in the separation step, and collecting the hydrocarbons; and a naphthalene collecting step of separating naphthalene compounds that include at least naphthalene, from the heavy oil fraction having 9 or more carbon numbers thus separated in the separation step, and collecting the naphthalene compounds.

IPC 8 full level

**C07C 7/04** (2006.01); **C07B 61/00** (2006.01); **C07C 15/04** (2006.01); **C07C 15/06** (2006.01); **C07C 15/067** (2006.01); **C07C 15/24** (2006.01); **C10G 11/05** (2006.01); **C10G 35/095** (2006.01); **C10G 45/44** (2006.01); **C10G 63/02** (2006.01); **C10G 69/00** (2006.01); **C10G 69/08** (2006.01)

CPC (source: EP US)

**C10G 11/05** (2013.01 - EP US); **C10G 35/095** (2013.01 - EP US); **C10G 45/44** (2013.01 - EP US); **C10G 63/02** (2013.01 - EP US); **C10G 69/00** (2013.01 - EP US); **C10G 69/08** (2013.01 - EP US); **C10G 2300/203** (2013.01 - EP US); **C10G 2300/301** (2013.01 - EP US); **C10G 2400/30** (2013.01 - EP US)

Cited by

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