

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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