

Title (en)  
ALKYLATED AROMATICS PRODUCTION

Title (de)  
HERSTELLUNG VON ALKYLIIERTEN AROMATEN

Title (fr)  
PRODUCTION D'HYDROCARBURES AROMATIQUES ALKYLÉS

Publication  
**EP 2545018 A4 20141008 (EN)**

Application  
**EP 10847601 A 20100310**

Priority  
US 2010026844 W 20100310

Abstract (en)  
[origin: WO2011112189A1] Disclosed is a process for the production of alkylated aromatics by contacting a feed stream comprising an alkylatable aromatic, an alkylating agent and trace amounts of water and impurities in the presence of first and second alkylation catalysts wherein the water and impurities are removed in order to improve the cycle length of such alkylation catalysts. Water and a portion of impurities are removed in a dehydration zone. A first alkylation zone having a first alkylation catalyst which, in some embodiments is a large pore molecular sieve, acts to remove a larger portion of impurities, such as nitrogenous and other species, and to alkylate a smaller portion of the alkylatable aromatic compound. A second alkylation zone, which in some embodiments is a medium pore molecular sieve, acts to remove a smaller portion of impurities, and to alkylate a larger portion of the alkylatable aromatic compound.

IPC 8 full level  
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Citation (search report)

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- [Y] US 6297417 B1 20011002 - SAMSON MOHAMMED S U [NL], et al
- See references of WO 2011112189A1

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**WO 2011112189 A1 20110915; WO 2011112189 A8 20120308**; BR 112012022691 A2 20160823; CN 102906054 A 20130130; CN 102906054 B 20151125; EP 2545018 A1 20130116; EP 2545018 A4 20141008; JP 2013521336 A 20130610; JP 5659247 B2 20150128; KR 101533875 B1 20150703; KR 20120136357 A 20121218; RU 2012141942 A 20140410; RU 2528825 C2 20140920; SG 183322 A1 20120927

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