

Title (en)

METHOD FOR REVAMPING FIXED-BED CATALYTIC REFORMERS

Title (de)

VERFAHREN ZUR UMRÜSTUNG VON KATALYTISCHEN REFORMERN VOM FESTBETT-TYP

Title (fr)

PROCEDE PERMETTANT DE REORGANISER DES REFORMEURS CATALYTIQUES A LIT FIXE

Publication

EP 1737929 A1 20070103 (EN)

Application

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Priority

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- US 9637205 A 20050401

Abstract (en)

[origin: WO2005105957A1] A fixed-bed catalytic reformer unit is converted to moving bed reactor/cyclic regenerator operation by re-using the fixed bed reactors of the original unit as regenerator vessels operated in cyclic regeneration mode in a new catalyst regeneration section. A flow connection, suitably a liftpipe, is provided to convey spent catalyst from the spent catalyst outlet of a new moving bed reactor section to the converted regenerator section, together with a flow connection for regenerated catalyst from the regenerator section to the regenerated catalyst inlet of the new moving bed reactor section. A flow control distributor directs spent catalyst sequentially to each of the regenerator vessels to carry out the regeneration with regeneration gas. Each regenerator vessel is cycled through a fill, regeneration, discharge sequence to maintain a continuous flow of catalyst to and from the reactor section.

IPC 8 full level

B01J 8/08 (2006.01); **C10G 35/12** (2006.01); **C10G 49/00** (2006.01); **C10G 59/02** (2006.01)

CPC (source: EP US)

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Citation (search report)

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