Title (en)
PROCESS FOR OLIGOMERIZING DILUTE ETHYLENE

Title (de)
VERFAHREN ZUR OLIGOMERISIERUNG VON VERDÜNNTEM ETHYLEN

Title (fr)
PROCÉDÉ D'OLIGOMÉRISATION DE L'ÉTHYLÈNE DILUÉ

Publication
EP 2414310 A2 20120208 (EN)

Application
EP 10762053 A 20100311

Priority
• US 2010026889 W 20100311
• US 41602609 A 20090331
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• US 41603209 A 20090331

Abstract (en)
[origin: WO2010117539A2] The process and apparatus converts ethylene in a dilute ethylene stream that may be derived from an FCC product to heavier hydrocarbons. The catalyst may be an amorphous silica-alumina base with a Group VIII and/or VIB metal. The catalyst is resistant to feed impurities such as hydrogen sulfide, carbon oxides, hydrogen and ammonia. At least 40 wt-% of the ethylene in the dilute ethylene stream can be converted to heavier hydrocarbons.

IPC 8 full level
C07C 2/10 (2006.01); **B01J 8/02** (2006.01); **C07C 4/06** (2006.01); **C07C 11/04** (2006.01); **C10G 11/10** (2006.01); **C10G 50/00** (2006.01); **C10G 57/02** (2006.01)

CPC (source: EP KR)
B01J 8/02 (2013.01 - KR); **B01J 23/755** (2013.01 - EP); **B01J 23/888** (2013.01 - EP); **B01J 38/30** (2013.01 - EP); **C07C 2/10** (2013.01 - KR); **C07C 2/12** (2013.01 - EP); **C07C 2/24** (2013.01 - EP); **C07C 11/04** (2013.01 - KR); **C10G 11/10** (2013.01 - KR); **C10G 11/18** (2013.01 - EP); **C10G 50/00** (2013.01 - EP); **C10G 57/02** (2013.01 - EP); B01J 21/12 (2013.01 - EP); C07C 2521/12 (2013.01 - EP); C07C 2523/30 (2013.01 - EP); C07C 2523/755 (2013.01 - EP); C07C 2529/70 (2013.01 - EP); C10G 2300/207 (2013.01 - EP); C10G 2300/708 (2013.01 - EP); C10G 2400/20 (2013.01 - EP); Y02P 20/584 (2015.11 - EP)

Designated contracting state (EPC)
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WO 2010117539 A2 20101014; **WO 2010117539 A3 20110113**; BR PI1013710 A2 20160405; CN 102448913 A 20120509; CN 102448913 B 20150128; CN 104276911 A 20150114; EP 2414310 A2 20120208; EP 2414310 A4 20150429; JP 2012522109 A 20120920; JP 5553889 B2 20140716; KR 101358589 B1 20140204; KR 20120001795 A 20120104; MX 2011010303 A 20111011; TW 201040251 A 20101116; TW I412585 B 20131021

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