Title (en)
COMPONENT SEPARATIONS IN POLYMERIZATION

Title (de)
KOMPONENTENTRENNUNGEN IN EINER POLYMERISIERUNG

Title (fr)
SÉPARATIONS DE COMPOSANTS LORS D'UNE POLYMÉRISATION

Publication
EP 2836284 A2 20150218 (EN)

Application
EP 13717384 A 20130404

Priority
• US 201213447003 A 20120413
• US 2013035274 W 20130404

Abstract (en)
[origin: WO2013154907A2] A process for component separation in a polymer production system, comprising separating a polymerization product stream into a gas stream and a polymer stream, wherein the gas stream comprises ethane and unreacted ethylene, distilling the gas stream into a light hydrocarbon stream, wherein the light hydrocarbon stream comprises ethane and unreacted ethylene, contacting the light hydrocarbon stream with an absorption solvent system, wherein at least a portion of the unreacted ethylene from the light hydrocarbon stream is absorbed by the absorption solvent system, and recovering a waste gas stream from the absorption solvent system, wherein the waste gas stream comprises ethane, hydrogen, or combinations thereof.

IPC 8 full level
B01D 53/00 (2006.01); C08F 2/00 (2006.01); C08F 2/01 (2006.01); C08F 6/00 (2006.01); C08F 10/02 (2006.01); C08J 11/02 (2006.01)

CPC (source: EP RU)
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Citation (search report)
See references of WO 2013154907A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2013154907 A2 20131017; WO 2013154907 A3 20140103; CA 2869960 A1 20131017; CN 104245088 A 20141224; CN 104245088 B 20161123; EP 2836284 A2 20150218; IN 8508DEN2014 A 20150515; MX 2014012363 A 20141205; RU 2014140971 A 20160610; RU 2619690 C2 20170517; SG 11201406524V A 20141127

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