

Title (en)
METHOD FOR REMOVING NITROGEN

Title (de)
VERFAHREN ZUM ABTRENNEN VON STICKSTOFF

Title (fr)
PROCÉDÉ DE SÉPARATION D'AZOTE

Publication
EP 2347206 B1 20150909 (DE)

Application
EP 09759662 A 20091103

Priority
• EP 2009007879 W 20091103
• DE 102008056196 A 20081106

Abstract (en)
[origin: WO2010051971A2] The invention relates to a method for removing a nitrogen-rich fraction from a feed fraction which substantially contains nitrogen and hydrocarbons. According to said method, the feed fraction is subjected to separation into a nitrogen-rich and a methane-rich fraction by rectification, the methane-rich fraction being evaporated and then superheated at as high a pressure as possible relative to the feed fraction to be cooled for refrigeration and the nitrogen-rich fraction being compressed at least temporarily and/or at least partially and being fed to the rectification reaction as a return flow. At least one partial flow (16) of the compressed (C) nitrogen-rich fraction (9') is at least temporarily expanded (f) once condensation (E1) is completed and is at least partially, preferably completely evaporated (E1) for refrigeration.

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