

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  
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• 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.

IPC 8 full level  
**F25J 3/02** (2006.01)

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