

Title (en)

METHOD FOR SEPARATING AMMONIA AND WATER FROM MIXTURES, ARISING DURING THE PRODUCTION OF POLYAMIDES

Title (de)

VERFAHREN ZUR ABTRENNUNG VON AMMONIAK UND WASSER AUS GEMISCHEN, DIE BEI DER HERSTELLUNG VON POLYAMIDEN ENTSTEHEN

Title (fr)

PROCEDE DE SEPARATION D'AMMONIAC ET D'EAU DANS DES MELANGES PRODUITS LORS DE LA FABRICATION DE POLYAMIDES

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Application

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Abstract (en)

[origin: WO2005118692A1] The invention relates to a method for the distillative separation of ammonia and water from mixtures arising during the production of polyamides, said mixture containing a lactam and/or diamines and, optionally, an aminonitrile and/or dinitrile in addition to cyclopentanones as foreign substances. Said method consists of two steps: 1) the mixture is distilled at 11 - 35 bars, resulting in the production of water, ammonia and cyclopentanone as overhead products (K1), and water, lactam and/or diamines and, optionally, aminonitrile and/or dinitrile, as base products (S1), and 2) K1 is distilled at 11 - 35 bars, resulting in the production of ammonia and cyclopentanone as an overhead product, and water as a base product (S2).

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