

Title (en)

PROCESS FOR THE PRODUCTION OF MELAMINE FROM UREA, AND PARTICULARLY TO OBTAIN MELAMINE-FREE OFF-GAS IN THE FIRST SEPARATION STEP

Title (de)

VERFAHREN ZUR HESTELLUNG VON MELAMIN AUS HARNSTOFF UND INSBESONDERE ZUM ERHALT VON MELAMINFREIEM ABGAS IM ERSTEN TRENN-SCHRITT

Title (fr)

PROCEDE DE PRODUCTION DE MELAMINE A PARTIR DE L'UREE, ET EN PARTICULIER D'OBTENTION DE DEGAGEMENT GAZEUX SANS MELAMINE DANS LA PREMIERE ETAPE DE SEPARATION

Publication

EP 1504045 A1 20050209 (EN)

Application

EP 03749861 A 20030429

Priority

- EP 0304556 W 20030429
- IT MI20021026 A 20020514

Abstract (en)

[origin: WO03095516A1] Treatment of off-gas deriving from the pyrolysis reaction of urea to produce melamine, carried out in liquid phase at a high pressure, wherein the melamine content present in the off-gas is separated by washing the off-gas with a cooling liquid stream which rapidly brings the gaseous mixture to de-sublimation temperatures of the gaseous melamine which separates in solution in said stream, thus obtaining melamine-free off-gas on the one hand, and a fraction of high purity de-sublimated melamine in solution, on the other.

IPC 1-7

C08G 12/32; **C07D 251/60**; **B01D 53/00**

IPC 8 full level

B01D 53/00 (2006.01); **C07D 251/60** (2006.01); **C08G 12/32** (2006.01)

CPC (source: EP)

B01D 53/002 (2013.01); **C07D 251/60** (2013.01); **C08G 12/32** (2013.01)

Cited by

US9869403B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 03095516 A1 20031120; AU 2003232234 A1 20031111; CN 1300122 C 20070214; CN 1659201 A 20050824; EP 1504045 A1 20050209; IT MI20021026 A0 20020514; IT MI20021026 A1 20031114

DOCDB simple family (application)

EP 0304556 W 20030429; AU 2003232234 A 20030429; CN 03813289 A 20030429; EP 03749861 A 20030429; IT MI20021026 A 20020514