

Title (en)

PROCESS FOR OBTAINING CRYSTALLINE MELAMINE FROM MELAMINE MELT

Title (de)

VERFAHREN ZUR HERSTELLUNG KRISTALLINEN MELAMINS AUS EINER MELAMINSCHMELZE

Title (fr)

PROCEDE PERMETTANT D'OBTENIR DE LA MELAMINE CRISTALLINE A PARTIR DE MELAMINE EN FUSION

Publication

**EP 1425271 A1 20040609 (EN)**

Application

**EP 02797960 A 20020906**

Priority

- EP 0210015 W 20020906
- NL 1018936 A 20010912

Abstract (en)

[origin: WO03022823A1] The invention relates to a process for obtaining crystalline melamine from a melamine melt, comprising: a) a cooling step, in which the melamine melt is given a pressure between 0.1 MPa and 20 MPa and a temperature below the melting point of melamine at the prevailing pressure, upon which solid melamine is formed; b) a pressure adjustment step, in which the pressure of the solid melamine is adjusted to a value between 0.1 and 5 MPa; c) a dissolving step, in which the solid melamine is contacted with an aqueous phase that has a pH between 6 and 13 and in which less than 5 wt.% ammonia is present, upon which a solution is formed; d) a crystallization step, in which the solution is cooled by at least 20 DEG C, upon which crystalline melamine is formed; e) a separation step, in which crystalline melamine is separated from the solution.

IPC 1-7

**C07D 251/60**; **C07D 251/62**

IPC 8 full level

**C07D 251/60** (2006.01); **C07D 251/62** (2006.01)

CPC (source: EP)

**C07D 251/60** (2013.01); **C07D 251/62** (2013.01)

Citation (search report)

See references of WO 03022823A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 03022823 A1 20030320**; CN 1260217 C 20060621; CN 1553902 A 20041208; EA 005552 B1 20050428; EA 200400425 A1 20040826; EP 1425271 A1 20040609; NL 1018936 C2 20030313; PL 368640 A1 20050404

DOCDB simple family (application)

**EP 0210015 W 20020906**; CN 02817635 A 20020906; EA 200400425 A 20020906; EP 02797960 A 20020906; NL 1018936 A 20010912; PL 36864002 A 20020906