

Title (en)

ROTARY TYPE DRYER FOR DRYING WET MELAMINE

Title (de)

ROTIERENDER TROCKNER ZUM TROCKNEN VON NASSEM MELAMIN

Title (fr)

SÉCHOIR DE TYPE ROTATIF POUR LE SÉCHAGE DE MÉLAMINE HUMIDE

Publication

**EP 4311992 A1 20240131 (EN)**

Application

**EP 23187650 A 20230725**

Priority

IT 202200015684 A 20220726

Abstract (en)

A rotary type dryer for the production of melamine comprising a rotating container comprising a cylindrical side wall and two end tube plates defining a cavity for containing the wet melamine, rotation means for rotating the container, insertion means for inserting the wet melamine into the cavity at a first end of the container, extraction means for extracting the dried melamine from the cavity at a second end of the container, and heating means in the form of tubes extending axially inside the cavity for heating the wet melamine contained in the cavity so as to dry it. The two tube plates comprise a first side facing inside the container, in particular towards the cavity, and a second side facing outside the container, in particular towards an external environment. The heating means comprise a first tube conducting water vapour from the second end to the first end and one or more second tubes conducting at least partly condensed water vapour and which are fluidly coupled outside the container to the first tube at the first end.

IPC 8 full level

**F26B 3/24** (2006.01); **F26B 11/04** (2006.01); **F26B 23/10** (2006.01)

CPC (source: CN EP)

**F26B 3/24** (2013.01 - EP); **F26B 11/04** (2013.01 - CN); **F26B 11/045** (2013.01 - EP); **F26B 23/10** (2013.01 - CN EP); **F26B 25/00** (2013.01 - CN); **F26B 25/16** (2013.01 - CN); **F28B 1/02** (2013.01 - CN); **F28B 9/08** (2013.01 - CN); **F26B 2200/08** (2013.01 - EP)

Citation (search report)

- [X] US 2100444 A 19371130 - LAVETT CHARLES O
- [X] BE 854240 A 19771103 - MONTEDISON SPA
- [A] DE 1929438 A1 19710204 - NISON MOSCHKOVITSCH BOGUSLAWSK
- [A] BE 701494 A 19680118
- [X] CN 104110947 A 20141022 - KUMERA CORP
- [X] CN 202013075 U 20111019 - ZHENGZHOU LIANGGONG ENGINEERING CO LTD
- [X] JP 2021196124 A 20211227 - OKAWARA MFG
- [X] CN 201269681 Y 20090708 - ZHENGZHOU SIWEI GROUP CO LTD [CN]
- [X] JP S60126573 A 19850706 - TSUKISHIMA KIKAI CO

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

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