

Title (en)

METHOD AND DEVICE FOR DRYING A FLUID FILM APPLIED TO A SUBSTRATE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TROCKNUNG EINES AUF EIN SUBSTRAT AUFGETRAGENEN FLUIDFILMS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SÉCHAGE D'UN FILM FLUIDE APPLIQUÉ SUR UN SUBSTRAT

Publication

EP 2739923 A1 20140611 (DE)

Application

EP 12741294 A 20120720

Priority

- DE 102011080222 A 20110801
- DE 102012210431 A 20120620
- EP 2012064305 W 20120720

Abstract (en)

[origin: WO2013017441A1] The invention relates to a method for drying a fluid film (F) applied to a substrate surface of a substrate (3) and containing a vaporizable liquid, with the following steps: transporting the substrate (3) on a transporting surface (6) of a transporting device (5) along a transporting direction (T) through a drying device (7), vaporizing the liquid by means of a heat source (13) having a heating surface (G), wherein the heating surface (G) is arranged at a distance (dG) of 0.1 mm to 5.0 mm opposite the substrate surface, and removing the vaporized liquid in the direction of the heat source (13).

IPC 8 full level

F26B 3/18 (2006.01); **F26B 13/10** (2006.01)

CPC (source: EP RU US)

F26B 3/18 (2013.01 - EP US); **F26B 3/20** (2013.01 - US); **F26B 13/10** (2013.01 - EP US); **B05D 3/00** (2013.01 - RU); **F26B 3/20** (2013.01 - RU); **F26B 13/08** (2013.01 - RU)

Citation (search report)

See references of WO 2013017441A1

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013017441 A1 20130207; BR 112014002515 A2 20170314; CA 2843492 A1 20130207; CN 103814266 A 20140521; CN 103814266 B 20160106; EP 2739923 A1 20140611; EP 2739923 B1 20160629; JP 2014527148 A 20141009; KR 20140068039 A 20140605; PL 2739923 T3 20161230; RU 2014107511 A 20150910; RU 2647192 C2 20180314; US 2014215844 A1 20140807; US 9851144 B2 20171226

DOCDB simple family (application)

EP 2012064305 W 20120720; BR 112014002515 A 20120720; CA 2843492 A 20120720; CN 201280038430 A 20120720; EP 12741294 A 20120720; JP 2014523279 A 20120720; KR 20147005107 A 20120720; PL 12741294 T 20120720; RU 2014107511 A 20120720; US 201214234708 A 20120720