

Title (en)

DEVICE AND METHOD FOR PRODUCT DRYING

Title (de)

VORRICHTUNG UND VERFAHREN ZUM TROCKNEN VON PRODUKTEN

Title (fr)

APPAREIL ET PROCÉDÉ POUR LE SÉCHAGE DE PRODUITS

Publication

**EP 3165860 A4 20170705 (EN)**

Application

**EP 14896914 A 20140930**

Priority

- ES 201431002 A 20140704
- ES 2014070742 W 20140930

Abstract (en)

[origin: EP3165860A1] The present invention relates to a device and method for the drying of products, which can also be used for the activation of resins covering said products, comprising a modular system having a scalable cross-section, formed by one or more non-metal filament infrared lamps with carbon fibre which are encapsulated in a single or twin quartz tube, the upper part of the tube being coated with a gold reflector and cooled with air, maximising the use of convective and fast-response radiant energy. The warm air generated can be recirculated by a first fan and propelled for use, said warm air being applied against the product by diffusers, such that the vapours extracted are incinerated by an incineration device before being released to the outside.

IPC 8 full level

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CPC (source: EP)

**F26B 3/30** (2013.01); **F26B 15/18** (2013.01); **F26B 17/04** (2013.01); **F26B 21/02** (2013.01); **F26B 23/022** (2013.01)

Citation (search report)

- [I] US 4257172 A 19810324 - TOWNSEND NEWTON A
- [A] US 5678323 A 19971021 - DOMINGUE HILLE [US], et al
- [A] US 6088931 A 20000718 - AYLOR JOHN E [US], et al
- [A] US 2391195 A 19451218 - ROSS JOHN O, et al

Citation (examination)

- US 2008099459 A1 20080501 - WILLIAMS GLENN [US]
- GB 1207827 A 19701007 - PROCTOR & SCHWARTZ INC [US]
- See also references of WO 2016001456A1

Cited by

RU2691883C1; US2022141373A1; US2022099369A1; EP3964781A4; US11828533B2; EP3822056A1; WO2021099260A1

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DOCDB simple family (publication)

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