

Title (en)  
PLANT FOR DRYING PRETREATED FLEXIBLE SHEET PRODUCTS

Title (de)  
ANLAGE ZUM TROCKNEN VORBEHANDELTEN FLEXIBLER FOLIENPRODUKTE

Title (fr)  
USINE DE SÉCHAGE DE PRODUITS EN FEUILLE SOUPLE PRÉTRAITÉS

Publication  
**EP 3717669 A1 20201007 (EN)**

Application  
**EP 18827240 A 20181130**

Priority

- IT 201700138238 A 20171130
- IB 2018059494 W 20181130

Abstract (en)  
[origin: WO2019106615A1] A drying plant (1) for drying pretreated flexible sheet products, having at least one side on which a layer of a chemical compound has previously been deposited, said system (1) comprising feeding means (2) for feeding the sheet products in a direction (L), drying means (3) for drying the products as they are being fed, which have at least open operating unit (5) with a chamber (6) through which the feeding means (2) are designed to pass, and with at least one applicator (10) connected to a respective generator (11) for application of an alternating electromagnetic field in the RF range and a control unit (16), for controlling the generator (11) and/or the applicator (10). The field has an oscillation frequency that ranges from 300 kHz to 300MHz and is preferably 27.12 MHz at least one air blowing means (18) (18) for delivering hot air and/or at least one suction means (19) are provided. The control unit (16) is configured to change the speed of the feeding means (2) or to change the electromagnetic field application time. Sensor means are further provided, for detecting one or more physical and/or thermodynamic parameters of the operating unit (5) and the temperature of the sheet and for controlling the means (2, 18, 19) separately from or in combination with each other and carry out complete drying of the chemical compound layer.

IPC 8 full level  
**C14B 1/58** (2006.01); **F26B 13/00** (2006.01)

CPC (source: EP KR)  
**C14B 1/58** (2013.01 - EP KR); **F26B 3/04** (2013.01 - EP KR); **F26B 3/343** (2013.01 - EP KR); **F26B 3/347** (2013.01 - EP KR); **F26B 15/18** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2019106615A1

Cited by  
IT202100030023A1; WO2023095027A1

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2019106615 A1 20190606**; CN 111417733 A 20200714; CN 111417733 B 20220304; EP 3717669 A1 20201007; EP 3717669 B1 20210630; ES 2890998 T3 20220125; KR 102667839 B1 20240521; KR 20200094158 A 20200806; PL 3717669 T3 20220110; PT 3717669 T 20210923; RS 62369 B1 20211029

DOCDB simple family (application)  
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