

Title (en)  
DRYER FOR A TEXTILE MATERIAL WEB HAVING A DEVICE FOR DETERMINING THE RESIDUAL MOISTURE OF A MATERIAL WEB AND METHOD, MODULE, AND SYSTEM THEREFOR

Title (de)  
TROCKNER FÜR EINE TEXTILE WARENBAHN MIT EINER EINRICHTUNG ZUR BESTIMMUNG DER RESTFEUCHTE EINER WARENBAHN UND VERFAHREN, MODUL UND ANLAGE HIERZU

Title (fr)  
SÉCHOIR POUR UNE BANDE DE MATIÈRE TEXTILE COMPRENANT UN DISPOSITIF SERVANT À DÉTERMINER L'HUMIDITÉ RÉSIDUELLE D'UNE BANDE DE MATIÈRE ET PROCÉDÉ, MODULE ET INSTALLATION ASSOCIÉS

Publication  
**EP 3601916 A1 20200205 (DE)**

Application  
**EP 18705892 A 20180215**

Priority  
• DE 102017106887 A 20170330  
• EP 2018053735 W 20180215

Abstract (en)  
[origin: WO2018177648A1] The invention relates to a dryer (1) for a textile material web (5) having at least one dryer chamber (2), in which at least one air-permeable drum (3-3c) is rotatably arranged, which can be entwined at least in part by the material web (5) and wherein heated drying air can flow through the material web (5), and wherein there is at least one ventilator (17) by means of which moist drying air can be suctioned from the inside of the drum (3-3c) from an opening in the end face of the at least one drum (3-3c) and discharged by means of a duct (14) as exhaust (13). The dryer (1) has at least one sensor for determining the moisture of the exhaust flow, the data of which is processed in a controller (30) together with the starting moisture of the material web (5) and the moisture of the fresh air flow and the evaporating power of the dryer (1) is thus regulated. The invention further relates to a method, to a module, and to a system for determining the residual moisture of a material web continuously running through a dryer.

IPC 8 full level  
**F26B 3/06** (2006.01); **F26B 13/06** (2006.01); **F26B 21/08** (2006.01); **F26B 21/10** (2006.01); **F26B 21/12** (2006.01); **F26B 25/22** (2006.01)

CPC (source: CN EP RU US)  
**F26B 3/06** (2013.01 - EP US); **F26B 13/06** (2013.01 - EP); **F26B 13/08** (2013.01 - RU US); **F26B 13/14** (2013.01 - CN); **F26B 13/30** (2013.01 - US); **F26B 21/001** (2013.01 - CN); **F26B 21/04** (2013.01 - RU); **F26B 21/08** (2013.01 - EP US); **F26B 21/10** (2013.01 - EP US); **F26B 21/12** (2013.01 - EP US); **F26B 23/00** (2013.01 - CN); **F26B 25/02** (2013.01 - CN); **F26B 25/22** (2013.01 - CN EP RU US)

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2018177648 A1 20181004**; AR 111552 A1 20190724; BR 112019018131 A2 20200407; BR 112019018131 A8 20220705; CN 110382983 A 20191025; CN 110382983 B 20220107; CN 113483552 A 20211008; CN 113483552 B 20221118; DE 102017106887 A1 20181004; EP 3601916 A1 20200205; EP 3601916 B1 20240207; ES 2972596 T3 20240613; MX 2019010413 A 20191015; RU 2721390 C1 20200519; US 11125501 B2 20210921; US 2020033059 A1 20200130

DOCDB simple family (application)  
**EP 2018053735 W 20180215**; AR P180100771 A 20180328; BR 112019018131 A 20180215; CN 201880015956 A 20180215; CN 202110935592 A 20180215; DE 102017106887 A 20170330; EP 18705892 A 20180215; ES 18705892 T 20180215; MX 2019010413 A 20180215; RU 2019129524 A 20180215; US 201816491153 A 20180215