

Title (en)

AERODYNAMIC NONWOVEN FORMING DEVICE AND METHOD

Title (de)

AERODYNAMISCHE VLIESBILDEINRICHTUNG UND VERFAHREN

Title (fr)

DISPOSITIF DE FORMATION DE NON-TISSÉ AÉRODYNAMIQUE ET PROCÉDÉ ASSOCIÉ

Publication

EP 3516098 A1 20190731 (DE)

Application

EP 17784558 A 20170926

Priority

- DE 202016105337 U 20160926
- EP 2017074294 W 20170926

Abstract (en)

[origin: WO2018055181A1] The invention relates to an aerodynamic nonwoven forming device (2) for a fibrous nonwoven (10), wherein the nonwoven forming device (2) has a discharge region (6) for fibers, in which the fibrous nonwoven (10) is aerodynamically formed. The nonwoven forming device (2) is incorporated in the discharge region (6) in a furnace (4), wherein the nonwoven forming device (2) has a fiber support (5) which emits a fiber stream (12) in the discharge region (6) into a free area (31) within the furnace (4), wherein the fiber support (5) spins off the fiber stream (12) on a detachment area (22) into the free area (31) in free flight.

IPC 8 full level

D01G 25/00 (2006.01); **D04H 1/732** (2012.01)

CPC (source: EP US)

D01G 25/00 (2013.01 - EP); **D04H 1/56** (2013.01 - US); **D04H 1/732** (2013.01 - EP US)

Citation (search report)

See references of WO 2018055181A1

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)

DE 202016105337 U1 20180117; CN 109844192 A 20190604; EP 3516098 A1 20190731; US 11060219 B2 20210713; US 2020149199 A1 20200514; WO 2018055181 A1 20180329

DOCDB simple family (application)

DE 202016105337 U 20160926; CN 201780059193 A 20170926; EP 17784558 A 20170926; EP 2017074294 W 20170926; US 201716336320 A 20170926