

Title (en)

MONITORING PROCESS FOR NONWOVEN FABRICATION PLANTS

Title (de)

ÜBERWACHUNGSTECHNIK FÜR VLIESFABRIKATIONSANLAGEN

Title (fr)

TECHNIQUE DE SURVEILLANCE POUR INSTALLATIONS DE FABRICATION DE NON-TISSÉ

Publication

EP 3710624 A1 20200923 (DE)

Application

EP 18814488 A 20181114

Priority

- DE 102017126753 A 20171114
- EP 2018081189 W 20181114

Abstract (en)

[origin: WO2019096823A1] The invention relates to a monitoring process for a method for producing a nonwoven fabric (7) made of fibers (1, 2) in a nonwoven fabrication plant (15), characterized in that the humidity and/or the electric charge of the fibers (1, 2) or a nonwoven pre-product (3) is detected by means of a detection unit (41) in a detection zone (5) and the detection results are processed in a data processing unit (42), wherein an actuation command (45) is generated for at least one actuation unit (50) of the nonwoven fabrication plant (15), the actuation unit (50) being designed to set the humidity of the fibers (1, 2) and/or the humidity of the nonwoven pre-product (3) and/or the ambient conditions in at least one portion of the nonwoven pre-production plant (10).

IPC 8 full level

D01G 31/00 (2006.01)

CPC (source: EP US)

D01G 31/006 (2013.01 - EP US); **D01H 13/32** (2013.01 - US); **D01G 31/003** (2013.01 - US); **D01H 13/304** (2013.01 - US);
D04H 1/74 (2013.01 - 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 2019096823 A1 20190523; CN 111344446 A 20200626; CN 111356799 A 20200630; CN 111356799 B 20230328;
DE 102017126753 A1 20190529; EP 3710623 A1 20200923; EP 3710624 A1 20200923; US 2020299870 A1 20200924;
US 2020362479 A1 20201119; WO 2019096818 A1 20190523

DOCDB simple family (application)

EP 2018081189 W 20181114; CN 201880073746 A 20181114; CN 201880073758 A 20181114; DE 102017126753 A 20171114;
EP 18814487 A 20181114; EP 18814488 A 20181114; EP 2018081183 W 20181114; US 201816763475 A 20181114;
US 201816763486 A 20181114