

Title (en)

DEVICE FOR DRAFTING A WEB, DISPOSED BETWEEN A CARDING DEVICE AND A CROSS-LAPPER

Title (de)

VORRICHTUNG ZUM STRECKEN EINER BAHN ZWISCHEN EINER KARDIERVORRICHTUNG UND EINEM KREUZLEGER

Title (fr)

DISPOSITIF D'ÉTIRAGE D'UN VOILE DISPOSÉ ENTRE UN DISPOSITIF DE CARDE ET UN ÉTALEUR NAPPEUR

Publication

EP 3545122 A2 20191002 (FR)

Application

EP 17804493 A 20171114

Priority

- FR 1670710 A 20161125
- FR 1771155 A 20171031
- EP 2017079227 W 20171114

Abstract (en)

[origin: WO2018095766A2] Apparatus for forming a fibre mat, in particular a nonwoven mat, comprising a fibre web-forming device, e.g. a card, a cross-lapper and a device for drafting the fibre web(s), disposed between the web-forming device and the cross-lapper, in order to draft the fibre web(s), in particular in a time-varying, specifically a periodic manner, to thereby adjust a predetermined desired profile of the fibre mat exiting the cross-lapper, the web-forming device comprising at least one output belt (1; 2) for at least one web (5; 6), and preferably two output belts (1, 2) for two webs (5, 6), an upper and a lower web, respectively; wherein the cross-lapper has an input belt (7) for receiving the web(s) from the output belt(s) of the web-forming device, the invention being characterised in that the arrangement is such that the path of the web or of the at least one web, and preferably of the two, upper and lower, webs, between the output belt(s) of the web-forming device, in particular the card, and the input belt of the cross-lapper, comprises at least one bending point (11; 12).

IPC 8 full level

D01G 23/00 (2006.01); **D01G 15/46** (2006.01); **D01G 21/00** (2006.01); **D01G 25/00** (2006.01)

CPC (source: EP US)

D01G 15/46 (2013.01 - EP US); **D01G 21/00** (2013.01 - EP US); **D01G 23/08** (2013.01 - EP US); **D01G 25/00** (2013.01 - EP 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 2018095766 A2 20180531; **WO 2018095766 A3 20180726**; CA 3043266 A1 20180531; CN 109996910 A 20190709; CN 109996910 B 20220610; EP 3545122 A2 20191002; EP 3545122 B1 20240410; EP 3545122 C0 20240410; EP 4357497 A2 20240424; EP 4357497 A3 20240807; FR 3059343 A1 20180601; FR 3059343 B1 20190405; FR 3059344 A1 20180601; FR 3059344 B1 20191122; US 11885046 B2 20240130; US 2019271102 A1 20190905; US 2024117532 A1 20240411

DOCDB simple family (application)

EP 2017079227 W 20171114; CA 3043266 A 20171114; CN 201780072811 A 20171114; EP 17804493 A 20171114; EP 24161459 A 20171114; FR 1670710 A 20161125; FR 1771155 A 20171031; US 201716348228 A 20171114; US 202318530846 A 20231206