

Title (en)

Fibre treatment device for the tobacco industry and method for the treatment of finite fibres for the formation of a fibre strand for the tobacco processing industry

Title (de)

Faseraufbereitungsanordnung der Tabak verarbeitenden Industrie und Verfahren zur Aufbereitung von endlichen Fasern zum Herstellen eines Faserstrangs der Tabak verarbeitenden Industrie

Title (fr)

Dispositif de préparation de tiges de l'industrie de traitement du tabac et procédé de préparation de fibres terminales pour la fabrication d'un faisceau de fibres de l'industrie de traitement du tabac

Publication

EP 2641484 A3 20150909 (DE)

Application

EP 13158886 A 20130313

Priority

DE 102012204443 A 20120320

Abstract (en)

[origin: EP2641484A2] The device (1) has a storage shaft (10) for receiving and passing finite fibers. A combing roller (11) combs the fibers from the storage shaft. A conveying channel (13) is attached downstream of the combing roller in a conveying direction (12) of the fibers. A pressurized air injector (14) is arranged at the conveying channel. A feed roller (19) to a carding device (15) is provided downstream of the conveying channel in the conveying direction of the fibers. The carding device includes an air opening (16) and walls (17, 18), which are increasingly quickly rotated in the conveying direction. An independent claim is also included for a method for treatment of finite filter fibers for formation of a fiber strand for a tobacco processing industry.

IPC 8 full level

A24D 3/02 (2006.01); **D01G 15/40** (2006.01); **A24C 5/39** (2006.01)

CPC (source: EP)

A24D 3/0204 (2013.01); **A24D 3/0208** (2013.01); **D01G 19/20** (2013.01)

Citation (search report)

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- [Y] US 2011180084 A1 20110728 - SEBASTIAN ANDRIES D [US], et al
- [A] DE 1993444 U 19680905 - MOLINS ORGANISATION LTD [GB]
- [A] CH 313367 A 19560415 - HAUNI WERKE KOERBER & CO KG [DE]

Cited by

WO2016012447A1; US11794424B2; US11945178B2; US11272733B2; US12004558B2; WO2018065749A1

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

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