

Title (en)

Device, method and apparatus for producing a filter rod in the tobacco processing industry

Title (de)

Vorrichtung, Verfahren und Maschine zum Herstellen eines Filterstrangs der Tabak verarbeitenden Industrie

Title (fr)

Dispositif, procédé et machine de fabrication d'une tige de filtre de l'industrie de traitement du tabac

Publication

EP 2772146 B1 20180919 (DE)

Application

EP 14154966 A 20140213

Priority

- DE 102013203349 A 20130228
- DE 102013212416 A 20130627

Abstract (en)

[origin: EP2772146A1] The apparatus has a guide element (60) that is arranged between a feed roller (16) and a mandrel (19). The cross-section of a strip of filter material between the mandrel and the guide element in the region of a mandrel projection (19a) of the mandrel is reduced. A transport nozzle is acted upon with the compressed air with a guide tube (18) that is arranged in the longitudinally extended mandrel. A non-driven feed roller (16) is arranged directly at an output of the transport nozzle. A tread (17) partially defines the conveying path of the strip of filter material. An independent claim is included for a method for manufacturing a filter rod in a tobacco-processing industry.

IPC 8 full level

A24D 3/02 (2006.01)

CPC (source: EP US)

A24D 3/0216 (2013.01 - EP US); **A24D 3/0237** (2013.01 - EP US)

Citation (opposition)

Opponent : G.D S.p.A.

- EP 2502510 A1 20120926 - HAUNI MASCHINENBAU AG [DE]
- EP 0128031 A2 19841212 - REYNOLDS TOBACCO CO R [US]
- EP 1694146 A1 20060830 - HAUNI MASCHINENBAU AG [DE]
- DE 4308093 A1 19930930 - HAUNI WERKE KOERBER & CO KG [DE]
- DE 2218071 A1 19721123
- US 3390039 A 19680625 - CAUGHMAN ROSCOE S, et al

Cited by

DE102019107387A1; EP3711496A1; WO2024002721A1; WO2024002720A1

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

DOCDB simple family (publication)

EP 2772146 A1 20140903; EP 2772146 B1 20180919; CN 104013103 A 20140903; CN 104013103 B 20190528; PL 2772146 T3 20190329; US 2014243178 A1 20140828; US 9681684 B2 20170620

DOCDB simple family (application)

EP 14154966 A 20140213; CN 201410070932 A 20140228; PL 14154966 T 20140213; US 201414192154 A 20140227