

Title (en)
FILTER SEGMENT ASSEMBLING DEVICE AND METHOD FOR ASSEMBLING FILTER SEGMENTS OF THE TOBACCO PROCESSING INDUSTRY

Title (de)
FILTERSEGMENTZUSAMMENSTELLVORRICHTUNG UND VERFAHREN ZUM ZUSAMMENSTELLEN VON FILTERSEGMENTEN DER TABAK VERARBEITENDEN INDUSTRIE

Title (fr)
DISPOSITIF D'ASSEMBLAGE DE SEGMENTS DE FILTRE ET PROCÉDÉ D'ASSEMBLAGE DE SEGMENTS DE FILTRE DE L'INDUSTRIE DU TABAC

Publication
EP 3550995 A1 20191016 (DE)

Application
EP 17821492 A 20171205

Priority
• DE 102016124052 A 20161212
• EP 2017081479 W 20171205

Abstract (en)
[origin: WO2018108623A1] The invention relates to a filter segment assembling device of the tobacco processing industry, comprising a section of filter segment for transferring a filter segment (9, 9') in the direction of the transverse axis to a filter segment assembling member (28), wherein a removal device (1, 1', 1'') is provided in the section of filter segment, which is designed to remove a filter rod (8) having a multiple usage length from a filter magazine (21.1-21.5), wherein, in addition, a pushing/cutting device (3, 3', 3'') is provided in the section of filter segment, which is designed to receive the filter rod (8) having multiple usage length, the pushing/cutting device (3, 3', 3'') comprising troughs (7) for receiving filter rods (8), characterized in that the number of troughs (7) is a prime number greater than or equal to 29. The invention relates to a corresponding method for assembling filter segments of the tobacco processing industry.

IPC 8 full level
A24D 3/02 (2006.01)

CPC (source: EP)
A24D 3/0287 (2013.01); **A24D 3/0254** (2013.01)

Citation (search report)
See references of WO 2018108623A1

Cited by
EP4215065A2; DE102022101392A1

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 102016124052 A1 20180614; CN 110035670 A 20190719; CN 110035670 B 20220329; EP 3550995 A1 20191016; EP 3550995 B1 20230726; JP 2019536467 A 20191219; JP 7000430 B2 20220119; PL 3550995 T3 20240122; WO 2018108623 A1 20180621

DOCDB simple family (application)
DE 102016124052 A 20161212; CN 201780076552 A 20171205; EP 17821492 A 20171205; EP 2017081479 W 20171205; JP 2019531042 A 20171205; PL 17821492 T 20171205