

Title (en)

A MACHINE FOR MANUFACTURING FILTER RODS

Title (de)

MASCHINE ZUR HERSTELLUNG VON FILTERSTÄBEN

Title (fr)

MACHINE DE FABRICATION DE TIGES DE FILTRE

Publication

EP 3808192 A1 20210421 (EN)

Application

EP 19203623 A 20191016

Priority

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Abstract (en)

A machine for manufacturing tobacco industry filter rods (1), the filter rods (1) comprising single-length longitudinal objects (2), wherein the machine comprises: a preparation unit (11) for preparing a strand (F) of filtering fibers; a forming unit (12) for forming a continuous filter rod (CR) from the strand (F) of the filtering fibers; a feeding unit (13) for feeding multiple-length longitudinal objects (6); a cutting unit (14) for cutting the multiple-length longitudinal objects (6) into the single-length longitudinal objects (2); a transferring unit (15) for transferring the single-length longitudinal objects (2); a positioning unit (16) for placing the single-length longitudinal objects (2) in the continuous filter rod (CR) while it is being formed; a cutting head (17) for cutting the formed continuous filter rod (CR) that comprises the filtering fibers and the single-length longitudinal objects (2), into individual filter rods (1).

IPC 8 full level

A24D 3/02 (2006.01)

CPC (source: EP US)

A24D 3/0229 (2013.01 - US); **A24D 3/0254** (2013.01 - US); **A24D 3/0279** (2013.01 - EP US); **A24D 3/0291** (2013.01 - EP);
A24D 3/0233 (2013.01 - EP)

Citation (applicant)

GB 1527705 A 19781011 - LIGGETT & MYERS INC

Citation (search report)

- [XA] US 4037524 A 19770726 - HALL FLOYD VANMEDA
- [X] EP 0295518 A1 19881221 - REYNOLDS TOBACCO CO R [US]
- [XD] GB 1527705 A 19781011 - LIGGETT & MYERS INC
- [A] US 2009145449 A1 20090611 - CIESLIKOWSKI BARTOSZ [PL], et al

Cited by

WO2023007361A1

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)

EP 3808192 A1 20210421; CN 112656028 A 20210416; RU 2020133982 A 20220419; RU 2020133982 A3 20220419;
US 2021112853 A1 20210422

DOCDB simple family (application)

EP 19203623 A 20191016; CN 202011106887 A 20201016; RU 2020133982 A 20201016; US 202017071162 A 20201015