

Title (en)

DEVICE AND METHOD FOR RELEASING ROD-SHAPED ARTICLES OF THE TOBACCO INDUSTRY ONTO AN ENDLESS CONVEYOR

Title (de)

VORRICHTUNG UND VERFAHREN ZUR FREIGABE VON STABFÖRMIGEN ARTIKELN DER TABAKVERARBEITENDEN INDUSTRIE AUF EINEM ENDLOSFÖRDERER

Title (fr)

DISPOSITIF ET PROCÉDÉ DE LIBÉRATION D'ARTICLES EN FORME DE TIGE DE L'INDUSTRIE DU TABAC SUR UN TRANSPORTEUR SANS FIN

Publication

EP 3820311 B1 20221012 (EN)

Application

EP 19766083 A 20190704

Priority

- IT 201800007095 A 20180711
- IT 201800007096 A 20180711
- IB 2019055714 W 20190704

Abstract (en)

[origin: WO2020012306A1] Described is a device for releasing rod-shaped articles of the tobacco industry onto an endless conveyor, comprising a plurality of releasing units (2) for releasing rod-shaped articles (100), an endless conveyor (6) having a succession of receiving seats (7) and disposed under the releasing units (2) in such a way that receiving seats (7) of the conveyor (6) are aligned with respective transfer members (4) of the releasing units (2), drive means acting on the releasing units (2) to release from each of them a sequence of respective articles (100) at a predetermined rate in such a way that each article (100) released from the releasing units (2) is received into a respective receiving seat (7) of the conveyor (6), and a control unit connected to the drive means to regulate the rate of releasing the articles (100) and configured, in the event of malfunctioning or stopping of at least one of the releasing units (2), to activate a compensating routine whereby at least one of the functioning releasing units (2) is operated at a faster release rate and/or in a modified sequence compared to normal operating conditions, that is to say, compared to operating conditions where none of the releasing units (2) is malfunctioning or has stopped, so as to compensate for the smaller number of functioning releasing units (2).

IPC 8 full level

A24C 5/32 (2006.01)

CPC (source: EP)

A24C 5/325 (2013.01)

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)

WO 2020012306 A1 20200116; EP 3820311 A1 20210519; EP 3820311 B1 20221012; PL 3820311 T3 20221219

DOCDB simple family (application)

IB 2019055714 W 20190704; EP 19766083 A 20190704; PL 19766083 T 20190704