

Title (en)

DEVICE FOR CONVEYING ROD-SHAPED ARTICLES FOR THE TOBACCO PROCESSING INDUSTRY

Title (de)

EINRICHTUNG ZUM ÜBERFÜHREN VON STABFÖRMIGEN ARTIKELN DER TABAK VERARBEITENDEN INDUSTRIE

Title (fr)

DISPOSITIF DE TRANSFERT D'ARTICLES EN FORME DE TIGE DE L'INDUSTRIE DE TRAITEMENT DU TABAC

Publication

EP 3384787 B1 20220309 (DE)

Application

EP 18164193 A 20180327

Priority

DE 102017107246 A 20170404

Abstract (en)

[origin: JP2018174920A] PROBLEM TO BE SOLVED: To provide a transfer apparatus that can deliver a rod-like article without failure or pollution. SOLUTION: An apparatus 10 for transferring a rod-like article of a tobacco processing industry, particularly a filter rod, has a longitudinal transfer device 12 for transferring the rod-like article 20 in a row almost simultaneously in the longitudinal axis direction, and a horizontal axis direction transfer device 14, particularly a piercing drum, for transferring the rod-like article in the horizontal axis direction. The apparatus is configured so that the rod-like article can be delivered or is delivered in a delivery area of an outlet side in the longitudinal transfer device from the longitudinal transfer device to the horizontal axis direction transfer device. The apparatus is developed by that an air curtain generator 30 capable of operating blast air or being operated by it is provided in the delivery area of the rod-like article between the longitudinal transfer device and the horizontal axis direction transfer device, and the flow direction of the air curtain capable of being generated or being generated by the air curtain generator is aligned in the longitudinal transfer device or oppositely to the transfer direction of the longitudinal axis direction of the rod-like article. SELECTED DRAWING: Figure 1

IPC 8 full level

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CPC (source: CN EP)

A24C 5/14 (2013.01 - CN); **A24C 5/326** (2013.01 - EP); **A24D 3/025** (2013.01 - EP)

Citation (opposition)

Opponent : G.D S.p.A.

- US 3608972 A 19710928 - RUDSZINAT WILLY
- EP 1397968 A1 20040317 - HAUNI MASCHINENBAU AG [DE]
- DE 1277729 B 19680912 - AMF SASIB SOC P AZ SCIPIONE IN
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- US 4311229 A 19820119 - BENNETT GEORGE
- US 4020851 A 19770503 - SCHLOESSER ANDREAS, et al
- CH 501372 A 19710115 - TABAK & IND MASCH [DE]
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- US 3812950 A 19740528 - RUDSZINAT W, et al

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EP3735844A1; EP3791731A1; CN114158769A; EP3904242A1; WO2021219716A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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