

Title (en)
MACCHINA CONFEZIONATRICE E METODO DI CONFEZIONAMENTO PER LA PRODUZIONE DI CARTUCCE MONOUSO

Title (de)
VERPACKUNGSMASCHINE UND VERPACKUNGSVERFAHREN ZUR HERSTELLUNG VON EINWEGKARTUSCHEN

Title (fr)
MACHINE ET PROCÉDÉ D'EMBALLAGE POUR LA PRODUCTION DE CARTOUCHES JETABLES

Publication
EP 3822178 A1 20210519 (EN)

Application
EP 20208494 A 20201118

Priority
IT 201900021393 A 20191118

Abstract (en)
A manufacturing machine (9) and manufacturing method for the production of disposable cartridges (1); the following are provided: a moving conveyor (92), which moves a plurality of first seats (93), each designed to house a corresponding cartridge (1), along a horizontal moving path (P1); and at least one controlling unit (100), which is arranged along the moving conveyor (92) as to carry out a quality check of at least one cartridge (1) housed in a respective first seat (93). The controlling unit (100) has: a control drum (101), which is mounted so as to rotate, in a stepped manner, around a vertical rotation axis (102) perpendicular to the control path and feeds at least a second seat (103), which is designed to grab a corresponding cartridge (1), along an annular control path and through an exchange station (S13), in which the second seat (103) overlaps a first seat (93); and a first control device (104), which is designed to carry out a control on a cartridge (1) and is arranged in a control station (S14), which is located along the control path downstream of the exchange station (S13) and at a given distance from the moving conveyor (92).

IPC 8 full level
A24F 40/80 (2020.01); **B65B 3/26** (2006.01); **B65B 7/01** (2006.01); **B65B 7/28** (2006.01)

CPC (source: EP)
A24F 40/80 (2020.01); **A24F 40/70** (2020.01); **B65B 29/00** (2013.01)

Citation (applicant)
• WO 2019081568 A1 20190502 - BRITISH AMERICAN TOBACCO INVESTMENTS LTD [GB]
• WO 2019043663 A1 20190307 - GD SPA [IT]
• WO 2017051348 A1 20170330 - G D SOCIETÀ PER AZIONI [IT]
• WO 2017051349 A1 20170330 - G D SOCIETÀ PER AZIONI [IT]
• WO 2017051350 A2 20170330 - G D SOCIETÀ PER AZIONI [IT]

Citation (search report)
• [AD] WO 2019043663 A1 20190307 - GD SPA [IT]
• [AD] WO 2017051348 A1 20170330 - G D SOCIETÀ PER AZIONI [IT]
• [A] CN 104476194 B 20170926
• [A] WO 2015140768 A2 20150924 - GD SPA [IT]

Cited by
EP4144655A1; IT202100022640A1; US11744294B2; WO2023102218A1

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 3822178 A1 20210519; EP 3822178 B1 20220831; IT 201900021393 A1 20210518; PL 3822178 T3 20221219

DOCDB simple family (application)
EP 20208494 A 20201118; IT 201900021393 A 20191118; PL 20208494 T 20201118