

Title (en)
PACKAGING MACHINE AND PACKAGING METHOD FOR THE INSERTION OF DISPOSABLE CARTRIDGES IN RESPECTIVE BLISTER PACKS

Title (de)
VERPACKUNGSMASCHINE UND VERPACKUNGSVERFAHREN ZUM EINSETZEN VON EINWEGKARTUSCHEN IN ENTSPRECHENDE
BLISTERVERPACKUNGEN

Title (fr)
MACHINE D'EMBALLAGE ET PROCÉDÉ D'EMBALLAGE POUR L'INSERTION DE CARTOUCHES JETABLES DANS DES EMBALLAGES
COQUES CORRESPONDANTS

Publication
EP 3822180 A1 20210519 (EN)

Application
EP 20208498 A 20201118

Priority
IT 201900021420 A 20191118

Abstract (en)
A packaging machine (134) and packaging method for the insertion of disposable cartridges (1) in respective blister packs (135), each of which contains at least two pockets (136, 137, 138), which are oriented differently to accommodate two respective cartridges (1) oriented differently from one another. The following are provided: a packaging conveyor (146), which feeds a plurality of blister packs (135), all with the same orientation, along a packaging path (P4); a feeding conveyor (140), which feeds a plurality of seats (142), designed to house corresponding cartridges (1) all with the same orientation, along a feeding path (P3); and a transfer unit (149), which is designed to pick up the cartridges (1) from the seats (142) of the feeding conveyor (140) and to deposit them in the pockets (136, 137, 138) of respective blister packs (135) carried by the packaging conveyor (146). The transfer unit (149) has: a first transferring device (150) designed to pick up at least one cartridge (1) from a seat (142) of the feeding conveyor (140) and to deposit the cartridge (1) with a first orientation and in a first pocket (136, 137) of a respective blister pack (135) carried by the packaging conveyor (146); and a second transferring device (151), which is autonomous and independent of the first transferring device (150) and is designed to pick up at least one cartridge (1) from a seat (142) of the feeding conveyor (140) and to deposit the cartridge (1) with a second orientation different from the first orientation and in a second pocket (138) of a respective blister pack (135) carried by the packaging conveyor (146).

IPC 8 full level
A24F 40/70 (2020.01); **B65B 9/04** (2006.01); **B65B 11/50** (2006.01); **B65B 35/16** (2006.01); **B65B 35/58** (2006.01)

CPC (source: EP)
B65B 35/16 (2013.01); **B65B 35/58** (2013.01); **B65B 11/50** (2013.01)

Citation (applicant)
• WO 2019081568 A1 20190502 - BRITISH AMERICAN TOBACCO INVESTMENTS LTD [GB]
• 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 2017051350 A2 20170330 - G D SOCIETÀ PER AZIONI [IT]
• [A] EP 1717150 A1 20061102 - SCHUBERT GERHARD GMBH [DE]

Cited by
CN114537743A

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 3822180 A1 20210519; **EP 3822180 B1 20220427**; IT 201900021420 A1 20210518; PL 3822180 T3 20220912

DOCDB simple family (application)
EP 20208498 A 20201118; IT 201900021420 A 20191118; PL 20208498 T 20201118