

Title (en)
PACKER MACHINE AND WRAPPING METHOD TO PRODUCE A CIGARETTE PACK PROVIDED WITH AN OUTER CONTAINER AND A HINGED LID BY FOLDING A BLANK AROUND A WRAP ENCLOSING A GROUP OF SMOKING ARTICLES

Title (de)
VERPACKUNGSMASCHINE UND VERPACKUNGSVERFAHREN ZUM HERSTELLEN EINER ZIGARETTENPACKUNG, DIE MIT EINEM AUSSENBEHÄLTER UND EINEM KLAPPDECKEL VERSEHEN IST, DURCH FALTEN EINES ZUSCHNITTES UM EINE UMHÜLLUNG, DIE EINE GRUPPE VON RAUCHARTIKELN UMSCHLIESST

Title (fr)
MACHINE D'EMBALLAGE ET PROCÉDÉ D'EMBALLAGE POUR FABRIQUER UN PAQUET DE CIGARETTES MUNI D'UN RÉCIPIENT EXTÉRIEUR ET D'UN COUVERCLE ARTICULÉ EN PLIANT UN FLAN AUTOUR D'UNE ENVELOPPE ENVELOPPANT UN GROUPE D'ARTICLES À FUMER

Publication
EP 3546377 A1 20191002 (EN)

Application
EP 19165324 A 20190326

Priority
IT 201800003942 A 20180326

Abstract (en)
A packer machine (29) and a wrapping method to produce a cigarette pack (1) provided with an outer container (2) and a hinged lid (4) folding a blank (28) around a wrap (3) enclosing a group (14) of smoking articles; there are: a wrapping drum (106), which moves a pocket (108) along a circular wrapping path (P7); a first folding device (109), which is arranged along the first wrapping path (P7) and folds the blank (28) around the wrap (3) placing a pair of second wings (9", 13") in contact with the wrap (3) and arranging a pair of first wings (9', 13') coplanar to one another and perpendicular to the pair of second wings (9", 13"); a pusher (111), which pulls the wrap (3) wrapped in the blank (28) out of the pocket (108) of the wrapping drum (106) by means of a movement along a transfer direction (D4), which is perpendicular to the wrapping path (P7); a gluing conveyor (112), which receives the wrap (3) wrapped in the blank (28) from the pocket (108) of the wrapping drum (106) and moves the wrap (3) wrapped in the blank (28) along a straight gluing path (P8), which is parallel to a rotation axis (107) of the wrapping drum (106); a gluing device (114), which is arranged along the gluing path (P8) and applies glue (115) on the first wings (9', 13'); and a second folding device (118), which is arranged downstream of the gluing device (114) and folds the first wings (9', 13') by 90° against the second wings (9", 13"), thus completing the production of the cigarette pack (1).

IPC 8 full level
B65B 11/54 (2006.01); **B65B 11/00** (2006.01); **B65B 19/02** (2006.01); **B65B 19/20** (2006.01); **B65B 19/22** (2006.01); **B65B 19/24** (2006.01); **B65B 19/30** (2006.01); **B65B 41/06** (2006.01); **B65B 49/04** (2006.01); **B65B 49/08** (2006.01); **B65B 49/14** (2006.01); **B65B 51/02** (2006.01); **B65B 61/00** (2006.01); **B65B 61/20** (2006.01)

CPC (source: EP)
B65B 11/004 (2013.01); **B65B 11/54** (2013.01); **B65B 19/025** (2013.01); **B65B 19/20** (2013.01); **B65B 19/223** (2013.01); **B65B 19/228** (2013.01); **B65B 19/24** (2013.01); **B65B 19/30** (2013.01); **B65B 41/06** (2013.01); **B65B 49/04** (2013.01); **B65B 49/08** (2013.01); **B65B 49/14** (2013.01); **B65B 51/023** (2013.01); **B65B 61/002** (2013.01); **B65B 61/20** (2013.01); **B65B 2230/04** (2013.01)

Citation (applicant)

- US 2015336696 A1 20151126 - CAVAZZA LUCA [IT], et al
- WO 2015114587 A1 20150806 - GD SPA [IT]
- WO 2016088063 A1 20160609 - GD SPA [IT]
- US 4771882 A 19880920 - LOWE BYRON L [US], et al
- WO 2016005949 A1 20160114 - GD SPA [IT]

Citation (search report)

- [A] US 2015336696 A1 20151126 - CAVAZZA LUCA [IT], et al
- [A] EP 0554753 A1 19930811 - GD SPA [IT]
- [A] US 4559758 A 19851224 - GAMBERINI ANTONIO [IT]

Cited by
EP4046921A1; IT202100004178A1; CN113428406A; IT202100004127A1

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 3546377 A1 20191002; **EP 3546377 B1 20201014**; IT 201800003942 A1 20190926

DOCDB simple family (application)
EP 19165324 A 20190326; IT 201800003942 A 20180326