

Title (en)

SYSTEM FOR PACKAGING CIGARETTES INTO BENT SHEETS EQUIPPED WITH ELECTRONIC CONTROL MOTORS

Title (de)

SYSTEM ZUM VERPACKEN VON ZIGARETTEN ZU GEBOGENEN PLATTEN, AUSGERÜSTET MIT ELEKTRONISCHEN STEUERMOTOREN

Title (fr)

SYSTÈME DE CONDITIONNEMENT DE CIGARETTES EN FEUILLES PLIÉES ÉQUIPÉ DE MOTEURS DE COMMANDE ÉLECTRONIQUES

Publication

EP 2419336 A1 20120222 (EN)

Application

EP 10727958 A 20100413

Priority

- IT 2010000157 W 20100413
- IT TO20090297 A 20090417

Abstract (en)

[origin: WO2010119473A1] A system (1) for packaging cigarettes (4) into bent sheets is described, comprising at least one first electric motor adapted to operate means for supplying (3) cigarettes (4); at least one second electric motor (35) adapted to operate means for supplying (5) packaging sheets (6); at least one third electric motor (36) adapted to operate rotary collecting means (7) for cigarettes (4), supplied by the means for supplying (3) cigarettes (4), the means for collecting (7) cigarettes (4) being equipped with a plurality of elongated containers (9) adapted to house the cigarettes (4) supplied, the containers (9) being operatively connected to the means for collecting (7) cigarettes (4) so that a longitudinal axis (LL) thereof is parallel to a rotation axis (RR) and perpendicular to a plane of the collecting means (7); at least one fourth electric motor (37) adapted to operate packaging means (11), located downstream of the collecting means (7), and adapted to receive the sheets (6) from the means for supplying (5) sheets (6) and to place the sheets (6) onto containers (9) so that the plane of the sheets (6) is orthogonal to the longitudinal axis of the cigarettes (4); at least one fifth electric motor adapted to operate means for keeping packaging sheets (6) onto containers (9), after the sheets (6) have been placed onto the containers (9); at least one sixth electric motor (39) adapted to the sheets (6) having inside the cigarettes (4), operatively cooperating with the rotary collecting means (7) for moving the packages (15) downstream; at least one seventh electric motor (41) adapted to operate the means for bending (22) the packages (15); at least one eighth electric motor (43) adapted to operate further means for bending (44) the packages (15); at least a ninth electric motor (45) adapted to lift the packages (15) for their last bending; and electronic control means adapted to control said first, second, third, fourth, fifth sixth, seventh, eighth and ninth electric motor for electronically moving related motor axes

IPC 8 full level

B65B 19/24 (2006.01); **B65B 65/00** (2006.01)

CPC (source: EP US)

B65B 11/46 (2013.01 - EP US); **B65B 11/54** (2013.01 - EP US); **B65B 19/223** (2013.01 - EP US); **B65B 19/228** (2013.01 - EP US); **B65B 19/24** (2013.01 - EP US); **B65B 49/08** (2013.01 - EP US); **B65B 49/14** (2013.01 - EP US)

Citation (search report)

See references of WO 2010119473A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010119473 A1 20101021; CN 102574589 A 20120711; EP 2419336 A1 20120222; EP 2933196 A2 20151021; EP 2933196 A3 20160406; EP 2933196 B1 20170920; IT 1394942 B1 20120727; IT TO20090297 A1 20101018; PL 2933196 T3 20180228; US 2012031041 A1 20120209

DOCDB simple family (application)

IT 2010000157 W 20100413; CN 201080016879 A 20100413; EP 10727958 A 20100413; EP 15156693 A 20100413; IT TO20090297 A 20090417; PL 15156693 T 20100413; US 201013264408 A 20100413