Title (en)
A MACHINE FOR PACKAGING LOOSE ITEMS OF SMALL DIMENSIONS

Title (de)
MASCHINE ZUR VERPACKUNG LOSER OBJEKTE MIT GERINGEN ABMESSUNGEN

Title (fr)
MACHINE POUR EMBALLER DES ARTICLES EN VRAC DE PETITES DIMENSIONS

Publication
EP 1778571 B1 20080702 (EN)

Application
EP 05771308 A 20050729

Priority
• IB 2005002551 W 20050729
• IT BO20040497 A 20040803

Abstract (en)
[origin: WO2006016268A1] Sweets or candies are packaged in boxes by a machine comprising a plurality of pockets (2), each holding a respective box (S) and advancing in a given direction (D) along a feed path of which one leg (T) functions as a filling station, a plurality of moving hoppers (5),a feeder from which the sweets are directed into each hopper (5), and a drive system (23) by which the hoppers (5) are set in motion. The drive system (23) includes a transport belt (6) carrying the hoppers (5) and looped around a pair of driven wheels (7a, 7b),a drive belt (24) looped around the driven wheels (7a, 7b), a drive wheel (25) coupleSweets or candies are packaged in boxes by a machine comprising a plurality of pockets (2) , each holding a respective box (S) and advancing in a given direction (D) along a feed path of which one leg (T) functions as a filling station, a plurality of moving hoppers (5), each with a bottom outlet (20) positionable above a relative pocket (2) at least when advancing along the filling leg (T), also a feeder from which the sweets are directed into each hopper (5) by way of a top opening (10) , and a drive system (23) by which the hoppers (5) are set i motion. The drive system (23) includes a transport belt (6) carrying the hoppers (5) and looped around a pair of driven wheels (7a, 7b), with an unloading branch (21) along which the hoppers (5) are positioned over the leg (T) to fill the boxes (S), a drive belt (24) looped around the driven wheels (7a, 7b), a drive wheel (25) coupled positively to a branch (24b) of the drive belt (24) associated with the unloading branch (21), and a device (26) by which the driven wheels (7a, 7b) are set in alternating linear motion along a direction (X) parallel to the direction (D) followed by the pockets (2).

IPC 8 full level
B65G 47/52 (2006.01); B65B 5/06 (2006.01); B65B 25/00 (2006.01); B65B 39/14 (2006.01); B65G 21/12 (2006.01); B65G 23/14 (2006.01)

CPC (source: EP)
B65B 1/06 (2013.01); B65B 25/005 (2013.01); B65B 39/145 (2013.01); B65B 43/52 (2013.01); B65B 1/02 (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006016268 A1 20060216; AT E399732 T1 20080715; DE 602005007910 D1 20080814; EP 1778571 A1 20070502;
EP 1778571 B1 20080702; ES 2309782 T3 20081216; IT BO20040497 A1 20041103

DOCDB simple family (application)
IB 2005002551 W 20050729; AT 05771308 T 20050729; DE 602005007910 T 20050729; EP 05771308 A 20050729; ES 05771308 T 20050729;
IT BO20040497 A 20040803