

Title (en)
Packaging apparatus, particularly of the type of cartoning machines and the like

Title (de)
Verpackungsvorrichtung, insbesondere Kartoniermaschine und dergleichen

Title (fr)
Appareil d'emballage, en particulier du type de machines d'encartonnage et analogues

Publication
EP 2522578 A2 20121114 (EN)

Application
EP 12166734 A 20120504

Priority
IT BO20110263 A 20110511

Abstract (en)
A packaging apparatus (1), of the type of cartoning machines and the like, comprising a first supply line (2) for supply of products (A) to be packaged, preferably of the type of pouches, blister packs, bottles, vials and the like, and a second supply line (3) for supply of containers (B) shaped substantially like a parallelepiped. The first line (2) and the second line (3) are movable according to an intermittent rule of motion and lead to a loading area (4), which is affected by a main insertion assembly (5), designed for the transfer of each product (A) into a respective container (B), for its packaging. The main assembly (5) comprises a drive unit for at least one main rotating shaft (6), at least one pair of pushers (7) being functionally associated with the main shaft (6) and acting along respective predefined paths, which comprise a common active portion and a return portion, which is different from the active portion, to allow the return of each pusher (7) to the initial position of the active portion. The active portion, which is followed in different respective active steps during an idle step of each line (2, 3), intersects the first supply line (2) and leads to the second supply line (3), to ensure the movement of the products (A) and their insertion in the containers (B).

IPC 8 full level
B65B 5/04 (2006.01); **B65B 5/06** (2006.01); **B65B 5/10** (2006.01); **B65B 43/28** (2006.01); **B65B 61/20** (2006.01)

CPC (source: EP)
B65B 5/04 (2013.01); **B65B 5/06** (2013.01); **B65B 5/106** (2013.01); **B65B 43/285** (2013.01); **B65B 61/20** (2013.01)

Citation (applicant)
IT BO20110263 A 20110511

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 2522578 A2 20121114; **EP 2522578 A3 20121212**; **EP 2522578 B1 20140813**; IT BO20110263 A1 20121112

DOCDB simple family (application)
EP 12166734 A 20120504; IT BO20110263 A 20110511