Title (en)
    SYSTEM FOR FILLING FLAT-BOTTOM POUCHES

Title (de)
    VORRICHTUNG ZUM BEFÜLLEN VON STANDBODENBEUTELN

Title (fr)
    SYSTEME DE REMPLISSAGE DE SACHETS A FOND PLAT

Publication
    EP 1527000 B1 20110608 (DE)

Application
    EP 03784184 A 20030806

Priority
    • DE 10235929 A 20020806
    • EP 0308670 W 20030806

Abstract (en)
    [origin: WO2004014729A1] The invention relates to a system for filling flat-bottom pouches, especially with a liquid, said pouches having opposite lateral seams and a bottom. Said system contains a filling carousel (9) which can be rotated about a vertical axis and is provided with a plurality of holding elements (10) on the circumference thereof, each respectively holding one pouch. A pouch-distributing station (A), a pouch-opening station (B), a filling station (C), a removal station (D), and a closing station (E) are associated with said filling carousel. The aim of the invention is to optimise one such system and especially to increase the throughput thereof. To this end, the pouch-distributing station is provided with a storage element (7) for prefabricated pouches, and a distribution carousel (8) comprising a plurality of holding devices which can each hold a pouch. Said holding devices can be rotatably driven about a common axis in order to be able to remove each pouch individually from the storage element and to continuously transfer each pouch to a holding element on the filling carousel.

IPC 8 full level
    B65B 3/04 (2006.01); **B65B 39/14** (2006.01); **B65B 43/28** (2006.01); **B65B 43/30** (2006.01); **B65B 43/46** (2006.01); **B65B 43/59** (2006.01); **B65B 43/60** (2006.01)

CPC (source: EP US)
    B65B 3/04 (2013.01 - EP US); **B65B 39/145** (2013.01 - EP US); **B65B 43/28** (2013.01 - EP US); **B65B 43/30** (2013.01 - EP US); **B65B 43/465** (2013.01 - EP US); **B65B 43/59** (2013.01 - EP US); **B65B 43/60** (2013.01 - EP US)

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

DOCDB simple family (publication)
    WO 2004014729 A1 20040219; AT E512053 T1 20110615; AU 2003282166 A1 20040225; DE 10235929 A1 20040304; DE 10235929 B4 20090319; DE 10235929 C5 20110120; EP 1527000 A1 20050504; EP 1527000 B1 20110608; JP 2005534581 A 20051117; US 2005229550 A1 20051020; US 7162852 B2 20070116

DOCDB simple family (application)
    EP 0308670 W 20030806; AT 03784184 T 20030806; AU 2003282166 A 20030806; DE 10235929 A 20020806; EP 03784184 A 20030806; JP 2004526888 A 20030806; US 49118204 A 20040909