

Title (en)

Method and device for filling capsules

Title (de)

Vorrichtung und Verfahren zum Befüllen von Kapseln

Title (fr)

Dispositif et procédé destinés au remplissage de capsules

Publication

EP 2881102 B1 20230301 (DE)

Application

EP 14196112 A 20141203

Priority

DE 102013113446 A 20131204

Abstract (en)

[origin: US2015158614A1] An apparatus for filling capsules comprises a conveyor wheel, on the circumference of which a plurality of capsule holders is provided, a conveyor wheel drive that alternately passes through stopping times and movement times, so that the capsule holders move along the conveying path in cycles, and a plurality of process stations disposed along the conveying path. The process stations comprise at least one supply station for supplying capsules to be filled to the conveyor wheel, at least one opening station for opening the capsules by separating the upper and lower capsule parts, at least one filling station for filling the lower capsule parts, at least one closing station for closing the filled capsules by connecting the upper and lower capsule parts, and at least one discharge station for discharging the filled capsules. A method for filling capsules is also described.

IPC 8 full level

A61J 3/07 (2006.01)

CPC (source: EP KR US)

A61J 3/074 (2013.01 - EP KR US); **B65B 1/04** (2013.01 - US); **B65B 1/30** (2013.01 - KR); **B65B 7/28** (2013.01 - US); **B65B 43/40** (2013.01 - US); **B65B 61/28** (2013.01 - US); **B65B 65/003** (2013.01 - US); **B65B 65/02** (2013.01 - US)

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

DOCDB simple family (publication)

EP 2881102 A1 20150610; EP 2881102 B1 20230301; CN 104771315 A 20150715; CN 104771315 B 20180904;
DE 102013113446 A1 20150611; DE 102013113446 B4 20170413; ES 2944325 T3 20230620; IN 3885MU2014 A 20151009;
JP 2015110449 A 20150618; JP 6238458 B2 20171129; KR 101784892 B1 20171012; KR 20150065166 A 20150612;
US 10464703 B2 20191105; US 2015158614 A1 20150611

DOCDB simple family (application)

EP 14196112 A 20141203; CN 201410858517 A 20141204; DE 102013113446 A 20131204; ES 14196112 T 20141203;
IN 3885MU2014 A 20141204; JP 2014246199 A 20141204; KR 20140173266 A 20141204; US 201414559905 A 20141203