

Title (en)

FILLING BOX AND METHOD FOR FILLING PACKAGES

Title (de)

FÜLLKASTEN UND VERFAHREN ZUM FÜLLEN VON GEBINDEN

Title (fr)

CAISSON DE REMPLISSAGE ET PROCÉDÉ DE REMPLISSAGE DE RÉCIPIENTS

Publication

EP 3860920 A1 20210811 (DE)

Application

EP 19790147 A 20190930

Priority

- DE 102018124348 A 20181002
- EP 2019076460 W 20190930

Abstract (en)

[origin: CA3115132A1] The invention relates to a packaging system (200) for filling bulk material (50) into packages (60), comprising a filling unit (100) with a filling box (1), and to a filling box (1) for a filling unit (100) of a packaging machine (200) for filling bulk material (50) into packages (60), comprising a receiving area (2) which is open at the top for a package (60), said receiving area (2) being laterally delimited by lateral walls (3, 4, 5, 6). A negative pressure device (15) is provided which is arranged in a corner section (9) between the lateral walls (3, 4, 5, 6). In the method for filling packages (60), a package (60) is supplied to the receiving area (2) of such a filling box (1) of a filling unit (100) of a packaging system. The negative pressure device (15) is then activated in order to suction a flexible wall (61) of a package (60) against the corner section (9) between the lateral walls (3, 4, 5, 6) of the receiving area (2) of the filling box (1).

IPC 8 full level

B65B 43/32 (2006.01); **B65B 43/54** (2006.01)

CPC (source: EP US)

B65B 1/02 (2013.01 - EP US); **B65B 1/16** (2013.01 - US); **B65B 43/36** (2013.01 - EP US); **B65B 43/465** (2013.01 - EP US); **B65B 43/60** (2013.01 - EP US); **B65B 47/10** (2013.01 - US); **B65B 47/10** (2013.01 - EP)

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)

DE 102018124348 A1 20200402; CA 3115132 A1 20200409; CN 112789221 A 20210511; CN 112789221 B 20230331; EP 3860920 A1 20210811; US 12037147 B2 20240716; US 2022119136 A1 20220421; WO 2020070071 A1 20200409

DOCDB simple family (application)

DE 102018124348 A 20181002; CA 3115132 A 20190930; CN 201980064380 A 20190930; EP 19790147 A 20190930; EP 2019076460 W 20190930; US 201917281841 A 20190930