

Title (en)

DEVICE AND METHOD FOR PACKAGING BULK MATERIALS IN OPEN BAGS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ABFÜLLEN VON SCHÜTTGÜTERN IN OFFENSÄCKE

Title (fr)

DISPOSITIF ET PROCÉDÉ DESTINÉS À EMBALLER DES PRODUITS EN VRAC DANS DES SACS OUVERTS

Publication

EP 3787980 A1 20210310 (DE)

Application

EP 19726314 A 20190502

Priority

- DE 102018110637 A 20180503
- EP 2019061292 W 20190502

Abstract (en)

[origin: WO2019211398A1] The invention relates to a device and method for packaging bulk materials in open bags (2), comprising the following steps: a) an open bag (2) is hung onto a filling nozzle (6) of a filling station from below by means of a movement directed at least partially upward, such that the base end (9) of the open bag (2) hangs freely; b) the filling process is started and bulk material is introduced into the open bag (2), such that the freely hanging base end (9) of the open bag (2) unfolds; c) the filling nozzle (6) is lowered, such that the unfolded base end (9) of the open bag (2) rests, at the underside thereof, on a supporting surface.

IPC 8 full level

B65B 43/42 (2006.01); **B65B 1/02** (2006.01); **B65B 1/04** (2006.01); **B65B 1/28** (2006.01); **B65B 43/46** (2006.01)

CPC (source: EP US)

B65B 1/02 (2013.01 - EP); **B65B 1/04** (2013.01 - US); **B65B 1/20** (2013.01 - EP); **B65B 39/06** (2013.01 - EP US); **B65B 39/14** (2013.01 - EP US); **B65B 41/10** (2013.01 - US); **B65B 43/04** (2013.01 - EP US); **B65B 43/465** (2013.01 - EP US)

Citation (search report)

See references of WO 2019211398A1

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)

WO 2019211398 A1 20191107; CN 112334392 A 20210205; CN 112334392 B 20231027; DE 102018110637 A1 20191107; EP 3787980 A1 20210310; US 2021188469 A1 20210624

DOCDB simple family (application)

EP 2019061292 W 20190502; CN 201980044054 A 20190502; DE 102018110637 A 20180503; EP 19726314 A 20190502; US 201917051875 A 20190502