

Title (en)

DEVICE AND METHOD FOR FILLING LARGE BAGS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM FUELLEN VON GROSSSAECKEN

Title (fr)

DISPOSITIF ET PROCEDE POUR REMPLIR DES SACS GRANDS

Publication

EP 3452372 B1 20221109 (DE)

Application

EP 17726201 A 20170503

Priority

- DE 102016108324 A 20160504
- EP 2017060569 W 20170503

Abstract (en)

[origin: WO2017191209A1] The invention relates to a device and to a method for filling FIBC big bags with a bulk good (2), comprising a frame (3), a filling nozzle (4) for filling the big bag (10), a weighing unit (5), and a compacting apparatus (6). A holding apparatus (7) having a plurality of holding hooks (8) is held on the frame (3) in order to receive holding loops (11) of a big bag (10) to be filled and to hold the big bag (10) during the filling process. A supporting apparatus (40) is provided, which defines a supporting surface (41), by means of which a bottom end (12) of the big bag (10) can be supported from below. An equalizing apparatus (30) having an active unit (31) that can be displaced relative to the supporting surface (41) is associated with the supporting apparatus (40) in order to act on the bottom end (12) of the big bag (10) by means of the active unit (31).

IPC 8 full level

B65B 1/24 (2006.01); **B65B 43/58** (2006.01)

CPC (source: EP)

B65B 1/06 (2013.01); **B65B 1/24** (2013.01); **B65B 1/30** (2013.01); **B65B 43/58** (2013.01); **B65B 57/145** (2013.01)

Citation (examination)

US 4718464 A 19880112 - DELVES ELSWORTH R [GB], et al

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)

DE 102016108324 A1 20171109; CN 109311541 A 20190205; CN 109311541 B 20211019; EP 3452372 A1 20190313;
EP 3452372 B1 20221109; ES 2937784 T3 20230331; FI 3452372 T3 20230301; WO 2017191209 A1 20171109

DOCDB simple family (application)

DE 102016108324 A 20160504; CN 201780038027 A 20170503; EP 17726201 A 20170503; EP 2017060569 W 20170503;
ES 17726201 T 20170503; FI 17726201 T 20170503