

Title (en)  
APPARATUS AND METHOD FOR FILLING BULK MATERIALS INTO OPEN BAGS

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM ABFÜLLEN VON SCHÜTTGÜTERN IN OFFENSÄCKE

Title (fr)  
DISPOSITIF ET PROCÉDÉ DE REMPLISSAGE DE SACS OUVERTS DE PRODUITS EN VRAC

Publication  
**EP 3619118 A1 20200311 (DE)**

Application  
**EP 18726073 A 20180503**

Priority  
• DE 102017109495 A 20170503  
• EP 2018061378 W 20180503

Abstract (en)  
[origin: WO2018202789A1] Apparatus and method for filling bulk materials into open bags (2), comprising the following steps: a) an open bag (2) is placed below a filling nozzle (6) of a filling station (5); b) the filling nozzle (6) is lowered and the open bag is suspended thereon (2); c) the filling nozzle (6) is moved upwards with the suspended open bag (2), with the result that the bottom end (9) of the open bag (2) hangs freely; d) the filling operation is started and bulk material is introduced into the open bag (2), with the result that the freely hanging bottom end (9) of the open bag (2) unfolds.

IPC 8 full level  
**B65B 43/26** (2006.01); **B65B 1/02** (2006.01); **B65B 1/06** (2006.01); **B65B 43/42** (2006.01); **B65B 43/46** (2006.01)

CPC (source: EP US)  
**B65B 1/02** (2013.01 - EP US); **B65B 1/06** (2013.01 - EP US); **B65B 39/10** (2013.01 - EP US); **B65B 39/14** (2013.01 - EP US); **B65B 43/465** (2013.01 - US); **B65B 51/146** (2013.01 - EP US); **B65B 51/32** (2013.01 - US); **B65B 43/465** (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)  
**WO 2018202789 A1 20181108**; CN 110785358 A 20200211; CN 110785358 B 20240322; DE 102017109495 A1 20181108; EP 3619118 A1 20200311; EP 3619118 B1 20210331; ES 2879312 T3 20211122; US 12077326 B2 20240903; US 2020062429 A1 20200227

DOCDB simple family (application)  
**EP 2018061378 W 20180503**; CN 201880041536 A 20180503; DE 102017109495 A 20170503; EP 18726073 A 20180503; ES 18726073 T 20180503; US 201816610051 A 20180503