

Title (en)

IMPROVEMENTS IN THE USE, METHOD AND APPARATUS FOR USING INFLATE LINER SYSTEMS FOR DISCHARGING BULK MATERIAL FROM STORAGE VESSELS

Title (de)

VERBESSERUNGEN BEI DER VERWENDUNG, VERFAHREN UND VORRICHTUNG ZUR VERWENDUNG VON AUFBLAS AUSKLEIDUNGSSYSTEMEN ZUR ENTLADUNG VON SCHÜTTGUT AUS LAGERBEHÄLTERN

Title (fr)

AMÉLIORATIONS DANS L'UTILISATION, PROCÉDÉ ET APPAREIL POUR UTILISER DES SYSTÈMES DE DOUBLURE GONFLABLE POUR DÉCHARGER UN MATÉRIAU EN VRAC À PARTIR DE RÉCIPIENTS DE STOCKAGE

Publication

EP 3580146 A1 20191218 (EN)

Application

EP 18751202 A 20180207

Priority

- US 201762499902 P 20170207
- US 2018017308 W 20180207

Abstract (en)

[origin: WO2018148343A1] In a storage container having a floor and a sidewall defining a space for a flowable material, and an inflatable liner attached at a first edge to the side wall along a line spaced from the floor, and attached at an opposite second edge to the floor along a line spaced from the sidewall, the inflatable liner adapted to be inflated to facilitate emptying the flowable material from the storage container, the improvement comprising a retraction system for retracting the liner as it is deflated.

IPC 8 full level

B65D 88/16 (2006.01); **B65D 88/54** (2006.01); **B65D 88/58** (2006.01); **B65D 88/62** (2006.01); **B65D 90/04** (2006.01)

CPC (source: EP US)

B65D 88/62 (2013.01 - EP US); **B65D 90/046** (2013.01 - US); **B65D 2590/046** (2013.01 - US)

Citation (search report)

See references of WO 2018148343A1

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 2018148343 A1 20180816; EP 3580146 A1 20191218; US 2020002083 A1 20200102

DOCDB simple family (application)

US 2018017308 W 20180207; EP 18751202 A 20180207; US 201816484378 A 20180207