

Title (en)
DEVICE AND METHOD FOR CONVEYING VISCOUS MATERIAL

Title (de)
VORRICHTUNG UND VERFAHREN ZUM FÖRDERN VON VISKOSEM MATERIAL

Title (fr)
PROCÉDÉ ET DISPOSITIF DE REFOULEMENT DE MATIÈRE VISQUEUSE

Publication
EP 3568375 A1 20191120 (DE)

Application
EP 17829143 A 20171208

Priority

- DE 102017100712 A 20170116
- EP 2017081973 W 20171208

Abstract (en)
[origin: WO2018130350A1] The invention relates to a device (10) for conveying viscous material from a cask-like container (12) which has a container bottom (14) and a circumferential container wall (18) extending from the container bottom (14) to a container top (16) and which is open towards the container top (16), with a follower plate (20) which has a material outlet (26) attached to a feed pump (40) and which serves to close the container (12), wherein the follower plate (20) has a wiper ring (28) extending in a circle about the circumference, wherein the wiper ring (28) has a radially outwardly protruding bearing portion (34) for bearing on an inner face (36) of the container wall (18) directed towards the follower plate (20), and wherein the bearing portion (34) can be subjected to a variable pressing force in order to press onto the inner face (36) of the container wall (18). According to the invention, provision is made that the follower plate (20) is mounted, by means of at least one vertically extending holding rod (58), on a horizontally extending crosspiece (52) which is mounted at or near a first end (54) on a lifting mechanism (50), for lifting and lowering the crosspiece (52), while its second end (56) is free.

IPC 8 full level
B67D 7/64 (2010.01); **B05C 17/015** (2006.01)

CPC (source: EP KR US)
B05C 11/10 (2013.01 - EP KR US); **B05C 11/11** (2013.01 - EP KR US); **B67D 7/645** (2013.01 - EP KR US); **B67D 7/02** (2013.01 - US); **B67D 7/0227** (2013.01 - US); **F04B 15/02** (2013.01 - US); **F04B 23/028** (2013.01 - US)

Citation (search report)
See references of WO 2018130350A1

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 2018130350 A1 20180719; CN 110167870 A 20190823; CN 110167870 B 20211001; DE 102017100712 A1 20180719; EP 3568375 A1 20191120; EP 3568375 B1 20210224; KR 102481703 B1 20221226; KR 20190103206 A 20190904; US 10882734 B2 20210105; US 2019322521 A1 20191024

DOCDB simple family (application)
EP 2017081973 W 20171208; CN 201780083233 A 20171208; DE 102017100712 A 20170116; EP 17829143 A 20171208; KR 20197020622 A 20171208; US 201716475757 A 20171208