

Title (en)

DEVICE AND METHOD FOR FILLING RECEPTACLES WITH A POURABLE PRODUCT UNDER PRESSURE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM FÜLLEN VON BEHÄLTERN MIT EINEM FLIESSFÄHIGEN PRODUKT UNTER DRUCK

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR REMPLIR DES RÉCIPIENTS AVEC UN PRODUIT LIQUIDE SOUS PRESSION

Publication

EP 3473588 A1 20190424 (EN)

Application

EP 18200015 A 20181012

Priority

IT 201700117756 A 20171018

Abstract (en)

The invention relates to a filling device (4) comprising: a filling valve (8) configured to be connected to a respective receptacle (2) to be filled and selectively movable between an opening configuration, wherein the filling valve (8) feeds a pourable product to the receptacle (2) at a pressure higher than the atmospheric pressure, and a closing configuration in which the filling valve (8) interrupts the flow of the pourable product to the receptacle (2) itself; and a decompression circuit (33) configured to depressurize the receptacle (2) after filling and comprising in turn a decompression chamber (35) kept at atmospheric pressure, a decompression duct (34) connected both to the receptacle (2) and to the decompression chamber (35), and a flow control valve (39) arranged in series on the decompression duct (34); the filling device (4) further comprises pressure detecting means (42) and a control unit (43) configured to receive a pressure signal (W) from the pressure detecting means (42) and control the flow control valve (39) according to said pressure signal (W).

IPC 8 full level

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CPC (source: EP)

B67C 3/08 (2013.01); **B67C 3/12** (2013.01); **B67C 2003/268** (2013.01)

Citation (applicant)

EP 1411023 B1 20061227 - SHIBUYA KOGYO CO LTD [JP]

Citation (search report)

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- [Y] EP 0601514 A1 19940615 - KHS MASCH & ANLAGENBAU AG [DE]
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Designated contracting state (EPC)

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DOCDB simple family (publication)

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