

Title (en)

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

Title (de)

FÜLLMASCHINE UND VERFAHREN ZUM FÜLLEN VON BEHÄLTERN MIT EINEM RIESELFÄHIGEN PRODUKT UNTER DRUCK

Title (fr)

MACHINE DE REMPLISSAGE ET PROCÉDÉ DE REMPLISSAGE POUR REMPLIR DES CONTENANTS AVEC UN PRODUIT LIQUIDE SOUS PRESSION

Publication

**EP 3473589 A1 20190424 (EN)**

Application

**EP 18200040 A 20181012**

Priority

IT 201700117761 A 20171018

Abstract (en)

The invention relates to a filling machine (1) comprising: at least one filling valve (8) configured to be connected to a respective receptacle (2) to be filled and selectively available between an opening configuration, in which 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); and a decompression circuit (33) configured to depressurize the receptacle (2) after filling and comprising in turn a decompression chamber (35), a decompression duct (34) connected both to the receptacle (2) and to the a decompression chamber (35), and a flow control valve (39) arranged in series on the decompression duct (34); the filling machine (1) further comprises pressure control means (42, 43, 44) configured to keep the pressure inside the decompression chamber (35) at a predetermined pressure value (P 0 ) higher than the atmospheric pressure (Pa).

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

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

Citation (search report)

[XI] DE 4134446 A1 19930422 - KRONSEDER MASCHF KRONES [DE]

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