Title (en)

FILLING VALVE, FILLING MACHINE AND METHOD FOR FILLING RECEPTACLES

Title (de)

FÜLLVENTIL, FÜLLMASCHINE UND VERFAHREN ZUM FÜLLEN VON BEHÄLTERN

Title (fr)

SOUPAPE DE REMPLISSAGE, MACHINE DE REMPLISSAGE ET PROCÉDÉ POUR REMPLIR DES RÉCIPIENTS

Publication

EP 3543205 B1 20221123 (EN)

Application

EP 18305307 A 20180320

Priority

EP 18305307 A 20180320

Abstract (en)

[origin: EP3543205A1] There is described a filling valve (5; 105) for a filling machine (1) configured to fill a receptacle (2) with a pourable product; the filling valve (5; 105) comprises a flow channel (11; 111) having an inlet opening (15) for receiving the pourable product and an outlet opening (18) for feeding the pourable product into the receptacle (2); the filling valve (5; 105) comprises a closing member (12) arranged within the flow channel (11; 111) and configured to be controlled at least between a full closing position, in which the closing member (12) is configured to prevent a fluid connection between the inlet opening (15) and the outlet opening (18), a full opening position, in which the closing member (12) is configured to allow the fluid connection between the inlet opening (15) and the outlet opening (18) through a full opening passage, and at least one intermediate position, defining a respective intermediate opening passage for the pourable product; the closing member (12) is configured to be controlled towards the full closing position in a direction against the flow direction (D) of the pourable product within the flow channel (11; 111).

IPC 8 full level

B67C 3/28 (2006.01)

CPC (source: EP)

B67C 3/286 (2013.01)

Citation (examination)

EP 2915774 A1 20150909 - KRONES AG [DE]

Cited by

WO2024041801A1; CN114746358A; EP3925928A1; IT202000014800A1; WO2024056234A1

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