

Title (en)

FILLING VALVE FOR FILLING RECEPTACLES WITH A POURABLE PRODUCT

Title (de)

FÜLLVENTIL ZUM FÜLLEN VON BEHÄLTERN MIT EINEM GIESSBAREN PRODUKT

Title (fr)

SOUPAPE DE REMPLISSAGE PERMETTANT DE REMPLIR DES RÉCIPIENTS AVEC UN PRODUIT VERSABLE

Publication

**EP 3980366 A1 20220413 (EN)**

Application

**EP 20716841 A 20200414**

Priority

- IT 201900008121 A 20190605
- EP 2020060365 W 20200414

Abstract (en)

[origin: WO2020244836A1] The invention refers to a filling valve (5) configured to fill receptacles (2) with a pourable product and comprising: a flow channel (11) having a longitudinal axis (B) and defining an outlet opening (9) configured to feed the pourable product to a respective receptacle (2); and a valvular element (12) axially engaging the channel (11) and axially movable between an open position, where said valvular element (12) enables a flow of the pourable product towards the outlet opening (9), and a closed position, where the valvular element prevents the flow of the pourable product towards the outlet opening (9); the valvular element (12) comprises: an interaction portion (18) configured to cooperate in contact with the channel (11) when the valvular element (12) is in the closed position; and an axial end wall (19) arranged downstream of the interaction portion (18), with respect to a flow direction (D) of the pourable product inside the channel (11); the end wall (19) comprises at least a concavity change.

IPC 8 full level

**B67C 3/26** (2006.01)

CPC (source: EP)

**B67C 3/2608** (2013.01)

Citation (search report)

See references of WO 2020244836A1

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 2020244836 A1 20201210**; CN 113795456 A 20211214; CN 113795456 B 20230627; EP 3980366 A1 20220413; EP 3980366 B1 20230621

DOCDB simple family (application)

**EP 2020060365 W 20200414**; CN 202080034206 A 20200414; EP 20716841 A 20200414