Title (en)

IMPROVED FILLING DEVICE FOR A FILLING MACHINE

Title (de

VERBESSERTE FÜLLVORRICHTUNG FÜR EINE FÜLLMASCHINE

Title (fr)

DISPOSITIF DE REMPLISSAGE AMÉLIORÉ POUR UNE MACHINE DE REMPLISSAGE

Publication

EP 3473590 B1 20200212 (EN)

Application

EP 17306419 A 20171019

Priority

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Abstract (en)

[origin: EP3473590A1] There is described a filling device (1) for a filling machine configured to fill receptacles (3) with a pourable product; the filling device (1) comprises: a tubular body (11) having a longitudinal axis (B), defining a central flowing channel (12) configured to deliver the pourable product to a respective receptacle (3) to be filled; a shutter (13) movable within the channel (12) between a lower position, in which the shutter (13) sealingly closes the channel (12), and an upper position, in which it (13) delimits with the channel (12) an annular passage for the pourable product; and at least one gas return conduit (35), adapted to exhaust the gas present in the respective receptacle (3) during filling thereof and including at least one transversal gas conveying portion (41), extending transversally with respect to the axis (B) and crossing the channel (12); the filling device (1) further comprises a swirl device (44) carried by the shutter (13), located upstream of the gas conveying portion (41)), with reference to the motion of the pourable product towards the respective receptacle (3), and configured to impart a swirling movement to the pourable product, a beveled configuration for guiding the swirling movement of the pourable product itself.

IPC 8 full level

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CPC (source: EP)

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Cited by

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