

Title (en)
DOSING METHOD FOR GOBLET AND FILLING MACHINE FOR CARRYING OUT THE METHOD

Publication
EP 0022541 A3 19810610 (DE)

Application
EP 80103881 A 19800708

Priority
DE 2928521 A 19790714

Abstract (en)
[origin: EP0022541A2] In a dosing method for filling cups with pourable filling materials, and a filling machine for carrying out this method, the object of dosing the filling material more exactly than hitherto possible, and at the same time in a gentle manner, is achieved in that material which is excessive for the beaker due to the filling amount measured out in an upstream dosing station is taken to a downstream dosing station in which the excess filling material is at least partially stripped and dammed up, so that there is formed a downstream filling material column which increases from the bottom, for which purpose it is mechanically provided that at least one downstream filling chamber (20, 22, 24, 26; 120, 164, 122, 124, 126) in in each case one downstream dosing station is connected, along the path of movement of the cups (12; 112) in their direction of movement to the pouring funnel (14; 114) arranged above an upstream filling chamber (18; 118) in an upstream dosing station, which downstream chambers each have a chamber wall (42, 44, 46, 32; 166, 142, 144, 146, 132) which strips at least partially and dams up excess filling material from the beakers, which wall for this purpose forms with the rotating body (10; 110) a passage (40, 48, 50, 52; 140, 168, 148, 150/152); in that the front chamber wall (38; 138) of the first downstream filling chamber (20; 120) bounding the upstream filling chamber (18; 118) to the rear, forms with the rotating element (10; 110) a first passage (40; 140); and in that the chamber wall (32; 132) furthest away from the pouring funnel (14; 114) comes right up to the rotating element (10; 110) for complete stripping. In this way it is achieved that the filling operation is carried out in two or more steps under stepwise reduced pressure, so that the cups are filled uniformly without the filling material being stressed or influenced. <IMAGE>

IPC 1-7
B65B 1/36; G01F 11/24

IPC 8 full level
B65B 1/10 (2006.01); **B65B 1/36** (2006.01); **B65B 37/08** (2006.01); **B65B 37/20** (2006.01)

CPC (source: EP)
B65B 1/36 (2013.01); **B65B 1/366** (2013.01)

Citation (search report)
US 3118575 A 19640121 - MCCAULEY WILLIAM H

Cited by
FR2500157A1; EP0347482A1; CN109229450A; CN111284764A; EP2902327A1; US9828119B2; WO2010019102A1; WO2007062694A1; WO2006128682A1; WO0232765A1

Designated contracting state (EPC)
AT CH DE FR GB IT NL

DOCDB simple family (publication)
EP 0022541 A2 19810121; EP 0022541 A3 19810610; DE 2928521 A1 19810115; ES 493293 A0 19810516; ES 8200046 A1 19810516; JP S5641102 A 19810417

DOCDB simple family (application)
EP 80103881 A 19800708; DE 2928521 A 19790714; ES 493293 A 19800710; JP 9513980 A 19800714