

Title (en)

DOSING PUMP, AS WELL AS A METHOD AND A DEVICE FOR FILLING A CONTAINER EQUIPPED WITH A DOSING PUMP

Publication

EP 0098978 A3 19841212 (DE)

Application

EP 83105742 A 19830611

Priority

DE 3225692 A 19820709

Abstract (en)

[origin: US4532967A] A method and apparatus for pre-charging the pump chamber of a discharge pump on a container such as a fluid atomizer primes the pump for dependable operation thereafter. The method includes opening the outlet valve of the discharge pump by operating the pump to its full displacement, and applying a vacuum to draw container contents into the pump chamber, just up to the outlet valve. The apparatus for practicing the method includes a controllable vacuum head adapted to engage an outlet channel of the container, the vacuum head also being movable to engage and move the pump. The apparatus can incorporate an indexing feeding arrangement for delivering articles to the vacuum head, and a blast of pressure may be applied upon completing the process, to release the containers from the vacuum head and securely close the pump outlet valve.

IPC 1-7

B65B 3/04; **B05B 11/00**

IPC 8 full level

B05B 11/00 (2006.01); **B65B 3/04** (2006.01)

CPC (source: EP US)

B05B 11/0097 (2013.01 - EP US); **B05B 11/1061** (2023.01 - EP US); **B65B 3/04** (2013.01 - EP US); **B05B 11/1026** (2023.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

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EP 0098978 A2 19840125; **EP 0098978 A3 19841212**; **EP 0098978 B1 19860827**; AT E21668 T1 19860915; DE 3225692 A1 19840112; DE 3365640 D1 19861002; US 4532967 A 19850806

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