

Title (en)

DISPENSER AND PROCESS FOR RELEASING FLOWABLE MATERIALS

Title (de)

DISPENSER UND VERFAHREN ZUM ABGEBEN VON FLIESS- ODER RIESELFÄHIGEN MATERIALIEN

Title (fr)

DISTRIBUTEUR ET PROCÉDÉ POUR LA DISTRIBUTION DE MATÉRIAUX FLUIDES OU COULANTS

Publication

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Application

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Abstract (en)

[origin: WO2011141357A1] The invention relates to a dispenser (1) for releasing flowable materials (2, 2') and to a corresponding process. The dispenser (1) comprises at least one line (3) with an inlet end (4) and an outlet end (5) for transporting a flowable material (2) from a vessel (6) to the outlet end (5). The line (3) which can be essentially filled with these materials (2, 2') can be positioned with its inlet end (4) in the flowable material (2, 2') of the vessel (6) or connected to the vessel. A barrier valve (7) is configured to control the release of the flowable material (2, 2') from the outlet end (5), and a control unit (8) controls opening and closure of the barrier valve (7). The inventive dispenser (1) is characterized in that the line (3) comprises an elastic section (9) which can be inserted into the barrier valve (7), said barrier valve (7) being configured as a squeeze valve for stationary occlusion of this elastic section (9) and hence for closure of the line (3); in addition, the control unit (8) for release of a defined, discrete amount of the flowable material (2, 2') into a sample vessel (11) controls an appropriate opening time (t) of the barrier valve (7), said opening time (t) being determined exclusively by the properties of the flowable material (2, 2') to be released and the properties of the line (3) essentially filled with these materials (2, 2').

IPC 8 full level

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