Title (en)

Dispensing tool for multi-component substances

Title (de)

Dispensierwerkzeug für mehrkomponentige Substanzen

Title (fr)

Outil de distribution pour substances à plusieurs composants

Publication

EP 2198949 A1 20100623 (DE)

Application

EP 08172173 A 20081218

Priority

EP 08172173 A 20081218

Abstract (en)

The tool (1) has a replaceable container (2) provided with a main component (3) e.g. pasty substance, and a cylindrical container (4) provided with an auxiliary component (5). A mixer (6) is provided for the components. Drive devices (71, 72) are provided for one of the containers. Expelling of one of the components in the mixer is controlled independent of the other component. The expelling of the auxiliary component is regulated by a dosing unit e.g. reciprocating piston pump, provided between the container and the mixer. The drive devices are driven by gas pressure and and/or a motor. An independent claim is also included for a method for refilling a container of an auxiliary component of a dispensing tool.

Abstract (de)

Bei einem Dispensierwerkzeug (1) umfassend ein auswechselbares Gebinde (2) mit einer Hauptkomponente A (3), ein Gebinde (4) mit einer Nebenkomponente B (5), einen Mischer (6) für die Komponenten A (3) und B (5) und eine Austriebsvorrichtung (71, 72) für mindestens eines der Gebinde, ist der Austrieb in den Mischer (6) von mindestens einer der Komponenten unabhängig von der anderen Komponente regulierbar. Des Weiteren betrifft die Erfindung ein Verfahren zur Wiederbefüllung des Gebindes (4) der Nebenkomponente B (5) eines Dispensierwerkzeugs (1).

IPC 8 full level

B01F 23/47 (2022.01); **B05C 17/005** (2006.01); **B05C 17/01** (2006.01)

CPC (source: EP US)

B01F 25/431 (2022.01 - EP US); **B01F 27/00** (2022.01 - EP US); **B01F 35/714** (2022.01 - EP US); **B01F 35/7174** (2022.01 - EP US); **B01F 35/7176** (2022.01 - EP US); **B05C 17/00553** (2013.01 - EP US); **B05C 17/00556** (2013.01 - EP US); **B05C 17/0103** (2013.01 - EP US); **B05C 17/015** (2013.01 - EP US); **B65B 3/04** (2013.01 - US); **B67D 7/74** (2013.01 - US)

Citation (applicant)

- US 5850946 A 19981222 - KELLER WILHELM A [CH], et al
- WO 0232562 A1 20020425 - SIKA AG [CH], et al

Citation (search report)

- [X] WO 2007084919 A1 20070726 - BAXTER INT [US], et al
- [X] US 3989228 A 19761102 - MORRIS LESTER, et al
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- [A] EP 0280645 A1 19880831 - HILTI AG [LI]
- [A] DE 10052548 A1 20020508 - 3M ESPE AG [DE]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 08172173 A 20081218; EP 09795770 A 20091218; EP 2009067537 W 20091218; US 201113161120 A 20110615; US 201414258685 A 20140422