

Title (en)

FLUID DISCHARGE DEVICE, METHOD FOR PRODUCING AND METHOD FOR OPERATING A FLUID DISCHARGE DEVICE FOR DISCHARGING A FLUID

Title (de)

FLUIDABGABEVORRICHTUNG, VERFAHREN ZUM HERSTELLEN UND VERFAHREN ZUM BETREIBEN EINER FLUIDABGABEVORRICHTUNG ZUM ABGEBEN EINES FLUIDS

Title (fr)

DISPOSITIF DE DISTRIBUTION DE FLUIDE, PROCÉDÉ DE FABRICATION ET PROCÉDÉ D'UTILISATION D'UN DISPOSITIF DE DISTRIBUTION DE FLUIDE DESTINÉ À DISTRIBUER UN FLUIDE

Publication

**EP 3458130 A1 20190327 (DE)**

Application

**EP 17730676 A 20170519**

Priority

- DE 102016208622 A 20160519
- EP 2017062082 W 20170519

Abstract (en)

[origin: WO2017198809A1] The invention relates to a fluid discharge device (100) for discharging a fluid (105). The fluid discharge device (100) has at least one release device (115) for releasing the fluid (105) from a fluid storage container (122). In addition, the fluid discharge device (100) has a spring (200), which is tensioned between the release device (115) and a force sensor (205), and which is designed to exert a restoring force (F') on the force sensor (205) with the releasing of the fluid (105). Finally, the fluid discharge device (100) has the force sensor (205), which is designed to detect the restoring force (F') acting on the force sensor (205) with the releasing of the fluid (105).

IPC 8 full level

**A61M 5/315** (2006.01); **A61M 5/145** (2006.01); **A61M 5/31** (2006.01)

CPC (source: EP US)

**A61M 5/1454** (2013.01 - EP US); **A61M 5/2455** (2013.01 - US); **A61M 5/3155** (2013.01 - EP US); **A61M 5/31551** (2013.01 - EP US); **A61M 5/31556** (2013.01 - EP US); **A61M 5/31578** (2013.01 - EP US); **A61M 5/31585** (2013.01 - EP US); **A61M 5/31593** (2013.01 - EP US); **A61K 38/28** (2013.01 - EP US); **A61M 2005/3125** (2013.01 - EP US); **A61M 2005/3126** (2013.01 - EP US); **A61M 2205/33** (2013.01 - EP US); **A61M 2205/3317** (2013.01 - EP US); **A61M 2205/332** (2013.01 - EP US); **A61M 2205/50** (2013.01 - EP US); **A61M 2205/52** (2013.01 - US); **A61M 2205/583** (2013.01 - EP US); **A61M 2207/00** (2013.01 - US)

Citation (examination)

- DE 4220831 C1 19940414 - ELEKTRONIK VERTRIEB GMBH [DE]
- WO 2013177379 A1 20131128 - SMITHS MEDICAL ASD INC [US]
- WO 2015074979 A2 20150528 - SANOFI AVENTIS DEUTSCHLAND [DE]
- See also references of WO 2017198809A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 2017062082 W 20170519**; CN 201780030588 A 20170519; DE 102016208622 A 20160519; EP 17730676 A 20170519; JP 2018560537 A 20170519; US 201716301015 A 20170519