

Title (en)  
Fluid dispensing gun

Title (de)  
Flüssigkeitsausgabepistole

Title (fr)  
Pistolet de distribution de fluide

Publication  
**EP 2808088 B1 20200909 (EN)**

Application  
**EP 13170020 A 20130531**

Priority  
EP 13170020 A 20130531

Abstract (en)  
[origin: EP2808088A1] The invention concerns a fluid dispensing gun comprising a dispensing tube with a dosing nozzle, a spring-loaded needle which is co-axially moveable in the dispensing tube for opening and closing the dosing nozzle, a trigger for actuating said needle in order to open the dosing nozzle and to dispense the fluid, regulating means for regulating the degree of opening of the outlet of the dosing nozzle and coupling means for coupling a pressurized can to the gun. In order to provide a better regulation and control of the output rate of the fluid dispensing gun, it is proposed that the inside of the dosing nozzle has a first cylindrical area, followed by a first conical area, followed by a second cylindrical area, followed by a second conical area and ends in the dosing nozzle with a third cylindrical area. With this new design of the inner area of the dosing nozzle, it is easier to regulate the output rate of the dispensing gun.

IPC 8 full level  
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**B05B 1/3046** (2013.01 - EP); **B05B 9/0894** (2013.01 - EP); **B05B 12/002** (2013.01 - EP US); **B05B 12/008** (2013.01 - EP); **B65D 83/207** (2013.01 - EP); **B05B 1/14** (2013.01 - EP)

Citation (examination)  
US 4955544 A 19900911 - KOPP VOLKER [CH]

Cited by  
CN111836764A; WO2015065607A1; WO2019175423A1; US11801523B2; US9108214B2; US9475082B2

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