

Title (en)  
NOZZLE, NOZZLE FAMILY AND METERING DEVICE

Title (de)  
SPRITZE, SPRITZENFAMILIE UND DOSIERVORRICHTUNG

Title (fr)  
SERINGUE, FAMILLE DE SERINGUES ET DISPOSITIF DE DOSAGE

Publication  
**EP 2818245 B1 20190717 (DE)**

Application  
**EP 14174635 A 20090727**

Priority  
• EP 14174635 A 20090727  
• EP 09009693 A 20090727

Abstract (en)  
[origin: EP2279791A1] The nozzle has an injection cylinder (2.1) comprising an injection piston (3.1) guided into a cylindrical piston mount region (5.1) in a sealed manner. The cylinder comprises a centering region (11.1) for guiding a centering element e.g. centering tube, at a distance from 3 mm from an upper end of the cylinder. The centering element comprises inner dimension, which exceeds inner dimension of the piston mount region and comprises 17.7 mm. The injection piston comprises a coupling piece (21.1) at an upper end of the piston for insertion into a piston support. An independent claim is also included for a dosage device comprising a nozzle family with nozzles.

IPC 8 full level  
**B01L 3/02** (2006.01)

CPC (source: EP)  
**B01L 3/0234** (2013.01); **B01L 3/0279** (2013.01); **B01L 2200/023** (2013.01); **B01L 2200/026** (2013.01); **B01L 2300/021** (2013.01); **B01L 2300/0609** (2013.01); **B01L 2400/0478** (2013.01)

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