

Title (en)

VALVE DEVICE WITH IMPACT MEMBER AND SOLENOID FOR ATOMIZING A LIQUID.

Title (de)

VENTILVORRICHTUNG MIT SCHLAGELEMENT UND MAGNETSPULE ZUR ZERSTÄUBUNG EINER FLÜSSIGKEIT.

Title (fr)

DISPOSITIF A SOUPAPE AVEC ELEMENT D'IMPACT ET SOLENOIDE POUR ATOMISER UN LIQUIDE.

Publication

**EP 0684875 A1 19951206 (EN)**

Application

**EP 93909828 A 19930519**

Priority

- DK 9300172 W 19930519
- DK 65592 A 19920519

Abstract (en)

[origin: WO9323172A1] A valve or nozzle device for atomizing a liquid into very small drops comprises a valve member (21) having an annular surface part (24) diverging in a direction downstream of the valve seat (32). The valve member is reciprocatingly moveable between open and closed positions. The valve member (21) is opened very rapidly by an impact member (38) driven by magnetic forces generated by a solenoid (41). The vibrating frequency is controlled by an electric control circuit so as to obtain the desired small droplets and the desired dosage. The atomizing nozzle may, for example, be used to atomize a liquid medicament or to atomize liquid fuel.

IPC 1-7

**B05B 1/08**; F02M 51/06; A61M 11/00

IPC 8 full level

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CPC (source: EP KR)

**B05B 1/08** (2013.01 - KR); **B05B 1/083** (2013.01 - EP); **B05B 1/3073** (2013.01 - EP); **F02M 51/061** (2013.01 - EP); **F02M 51/066** (2013.01 - EP); **F02M 69/041** (2013.01 - EP)

Citation (search report)

See references of WO 9323172A1

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