

Title (en)

Ultrasonic vibration method and apparatus for atomizing liquid material.

Title (de)

Verfahren für die Erzeugung von Ultraschallschwingungen und Vorrichtung zur Zerstäubung einer Flüssigkeit.

Title (fr)

Procédé pour produire des vibrations ultrasonores et dispositif pour atomiser un liquide.

Publication

EP 0202381 A1 19861126 (EN)

Application

EP 85307524 A 19851017

Priority

JP 10093585 A 19850513

Abstract (en)

An ultrasonic fuel injection nozzle (1) for e.g. an internal combustion engine comprises an ultrasonic vibration generating means (100) and a vibrating element (14) connected to said vibration generating means (100) so as to be vibrated thereby, said vibrating element being formed at its forward end with a concentrically stepped portion (32) to which liquid fuel is delivered to be atomized at the edges of the steps. Liquid material atomized in similar fashion is used for spray drying, humidifying and so on.

IPC 1-7

B05B 17/06; F02M 27/08; F23D 11/34

IPC 8 full level

B06B 1/02 (2006.01); **B05B 17/06** (2006.01); **F02M 27/08** (2006.01); **F02M 69/04** (2006.01); **F23D 11/34** (2006.01)

CPC (source: EP)

B05B 17/0623 (2013.01); **B05B 17/063** (2013.01); **F02M 27/08** (2013.01); **F02M 69/041** (2013.01); **F23D 11/345** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

BE DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0202100 A1 19861120; CA 1275132 A 19901009; CA 1282657 C 19910409; CN 85107669 A 19861112; CN 85107669 B 19881221; EP 0202381 A1 19861126; EP 0202381 B1 19891220; JP S61259780 A 19861118

DOCDB simple family (application)

EP 86303613 A 19860513; CA 493287 A 19851018; CA 508956 A 19860512; CN 85107669 A 19851018; EP 85307524 A 19851017; JP 10093585 A 19850513