

Title (en)
ULTRASONIC ATOMIZING VIBRATORY ELEMENT

Publication
EP 0251524 B1 19920318 (EN)

Application
EP 87305111 A 19870610

Priority
JP 9779086 U 19860627

Abstract (en)
[origin: EP0251524A2] An ultrasonic atomizing vibratory element (10) comprises a elongated shank (14), and the tip of the elongated shank is formed with an edged portion (22) having at least one flat portion (24) which is formed stepwise. Liquid fuel is supplied from a pipe (30) to the flat portion (24) of the edged portion (22) along a groove (28) in the shank, and the liquid is atomized at the edged portion by ultrasonic vibration applied to the shank (14).

IPC 1-7
B05B 17/06

IPC 8 full level
B05B 17/06 (2006.01); **B06B 1/02** (2006.01); **B23P 13/00** (2006.01); **B23P 17/00** (2006.01)

CPC (source: EP KR)
B05B 17/06 (2013.01 - KR); **B05B 17/0623** (2013.01 - EP)

Cited by
DE10327430A1; US5801106A; US6053424A; US6020277A; US7472850B2

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0251524 A2 19880107; **EP 0251524 A3 19890308**; **EP 0251524 B1 19920318**; DE 3777467 D1 19920423; JP S636074 U 19880116; KR 880000148 A 19880323

DOCDB simple family (application)
EP 87305111 A 19870610; DE 3777467 T 19870610; JP 9779086 U 19860627; KR 870006140 A 19870617