

Title (en)

Method and means for detecting the onset of flooding of ultrasonic atomisers.

Title (de)

Verfahren und Vorrichtung zum Feststellen des Einsetzens einer Überflutung eines Ultraschallzerstäubers.

Title (fr)

Procédé et dispositif pour détecter le debut d'inondation des atomiseurs à ultrason.

Publication

EP 0677335 A3 19970521 (DE)

Application

EP 95105027 A 19950404

Priority

DE 4412900 A 19940414

Abstract (en)

[origin: EP0677335A2] The detection system monitors the natural resonance frequency of the ultrasonic transducer (5), to detect a frequency variation indicating an overflow of the vaporisation surface, to provide a corresponding output signal. The signal representing the resonance frequency of the ultrasonic transducer is fed to a peak value detector (20) with a memory function, allowing comparison of the actual signal value with the stored value, to provide an overflow output signal when the difference between the compared signals indicates a given decrease rate in the resonance frequency. <IMAGE>

IPC 1-7

B06B 1/02; **B05B 17/06**

IPC 8 full level

B05B 17/06 (2006.01); **B06B 1/02** (2006.01)

CPC (source: EP US)

B05B 17/0607 (2013.01 - EP US); **B06B 1/0253** (2013.01 - EP US); **B06B 2201/40** (2013.01 - EP US); **B06B 2201/77** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE DE DK ES FR GB IT PT SE

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 95105027 A 19950404; DE 4412900 A 19940414; US 42168595 A 19950413