

Title (en)
ULTRASONIC DEVICE

Publication
EP 0341505 A3 19900822 (DE)

Application
EP 89107664 A 19890427

Priority
DE 3815925 A 19880510

Abstract (en)
[origin: EP0341505A2] In order to induce ultrasonic oscillations in a liquid contained in a container, ultrasonic oscillators are bonded onto the outside of a wall serving as a diaphragm. Due to cavitation erosion, the seal on this wall is broken, which leads to the destruction of the entire device. In order to prevent this, it is proposed to attach a retaining ring near to the oscillation node on the ultrasonic oscillator, which then permits insertion into the container so that the ultrasonic oscillator acts with its sound-radiating cone directly on the liquid. <IMAGE>

IPC 1-7
B06B 3/00; **B06B 1/06**; **B08B 3/12**

IPC 8 full level
B06B 1/06 (2006.01); **B08B 3/12** (2006.01); **G10K 11/00** (2006.01)

CPC (source: EP)
B06B 1/0607 (2013.01); **B06B 1/0618** (2013.01); **B08B 3/12** (2013.01); **G10K 11/006** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AT BE CH ES FR GB IT LI NL SE

DOCDB simple family (publication)
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