Title (en)

ULTRASONIC DEVICE

Publication

EP 0342446 A3 19900822 (DE)

Application

EP 89108097 A 19890505

Priority

DE 3816567 A 19880514

Abstract (en)

[origin: EP0342446A2] For the purpose of inducing ultrasonic oscillations in a liquid in a container, ultrasonic oscillators are fixed on the outside of the wall serving as a membrane. Due to localised cavitation erosion this wall becomes untight, which leads to the destruction of the entire device. In order to prevent this it is proposed to attach a mounting ring on the ultrasonic oscillator near to the oscillation node, which mounting ring permits the ultrasonic oscillator to be inserted into the container so that it acts directly on the liquid with its sound-emitting cone, it being possible for the end faces of the sound-emitting cones to dip into the liquid at a distance of lambda/4 for the purpose of completely irradiating the liquid acoustically. <IMAGE>

IPC 1-7

B06B 3/00; B06B 1/06; B08B 3/12

IPC 8 full level

B06B 1/06 (2006.01); **B06B 3/00** (2006.01); **B08B 3/12** (2006.01)

CPC (source: EP)

B06B 1/0607 (2013.01); **B06B 3/00** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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