

Title (en)
Ultrasonic device.

Title (de)
Ultraschallgenerator.

Title (fr)
Dispositif d'insonification.

Publication
EP 0183583 A1 19860604 (FR)

Application
EP 85402034 A 19851021

Priority
FR 8416169 A 19841023

Abstract (en)
[origin: ES8704360A1] An ultrasonic device comprises at least one transducer and a probe having a first active part adapted to be immersed in a medium, an adapter part for matching the impedance of the probe to the medium and an end surface on the adapter part adapted to emit ultrasonic waves longitudinally into the medium. The first active part lies between the end surface on the adapter part, at which is located a peak of the longitudinal ultrasonic waves, and a limiting part at which is located a node of the longitudinal ultrasonic waves. It comprises a second active part adapted to emit ultrasonic waves radially into the medium and at which is located one or more peaks of the radial ultrasonic waves.

Abstract (fr)
Tête d'insonification d'un milieu du genre comportant au moins un transducteur ultrasonore (22,23) et au moins un organe d'émission (32) dont au moins une portion importante (34) est immergée dans ledit milieu et commorte un tronçon (34B) destiné à l'adaptation d'impédance dudit organe d'émission audit milieu présentant une face terminale d'émission (33) de vibrations longitudinales. Application au nettoyage par insonification d'un volume de liquide.

IPC 1-7
B08B 3/12; G10K 11/02

IPC 8 full level
A61C 1/07 (2006.01); **A61H 23/02** (2006.01); **B06B 1/02** (2006.01); **B08B 3/12** (2006.01); **G10K 11/02** (2006.01); **G21F 9/00** (2006.01); **G21F 9/28** (2006.01)

CPC (source: EP US)
B08B 3/12 (2013.01 - EP US); **G10K 11/02** (2013.01 - EP US)

Citation (search report)
• [X] FR 2103310 A7 19720407 - SATELEC SOC
• [XP] FR 2549746 A1 19850201 - SCP BISCORNET [FR]
• [A] US 3331589 A 19670718 - HAMMITT FREDERICK G, et al
• [A] US 3421939 A 19690114 - JACKIE STANLEY E
• [A] FR 1031924 A 19530629 - CONDENSATION APPLICATION MEC

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JP2015500461A

Designated contracting state (EPC)
AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0183583 A1 19860604; EP 0183583 B1 19891004; AT E46840 T1 19891015; CN 85108660 A 19860709; DE 183583 T1 19861218; DE 3573379 D1 19891109; ES 548114 A0 19870401; ES 8704360 A1 19870401; FI 854107 A0 19851021; FI 854107 L 19860424; FR 2571988 A1 19860425; FR 2571988 B1 19881216; JP S61204075 A 19860910; US 4691724 A 19870908; ZA 857910 B 19860528

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