

Title (en)

Ultrasonic cleaning device for mechanical parts.

Title (de)

Ultraschallreinigungsanlage für mechanische Teile.

Title (fr)

Dispositif de nettoyage de pièces mécaniques par ultrasons.

Publication

EP 0205355 A1 19861217 (FR)

Application

EP 86400820 A 19860416

Priority

FR 8505710 A 19850416

Abstract (en)

The device comprises a tank (1) receiving a cleaning agent in which a part (P) to be cleaned is immersed. The tank (1) is equipped with electroacoustic transducers (2) capable of generating powerful ultrasonic mechanical waves in the cleaning agent. Means (3) for generating periodic electric signals make it possible to supply the transducers (2). Means for regulating the frequency and the power of the ultrasonic wave (4, 5) are provided in order to adjust the abovementioned parameters. Furthermore, means (6) make it possible to focus the beam resulting from the ultrasonic wave emitted by the transducers (2). The focusing and/or the deflecting of the resulting beam towards the part to be cleaned permits an illumination of a selective treatment of this part. Application to the cleaning of mechanical parts in industrial part-treatment processes such as, for example, chromium plating. <IMAGE>

IPC 1-7

B06B 1/00; **B08B 3/12**; **G10K 11/34**; **G10K 13/00**

IPC 8 full level

B06B 1/00 (2006.01); **B08B 3/12** (2006.01); **G10K 11/34** (2006.01); **G10K 13/00** (2006.01)

CPC (source: EP)

B06B 1/00 (2013.01); **B08B 3/12** (2013.01); **G10K 11/346** (2013.01); **G10K 13/00** (2013.01)

Citation (search report)

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DOCDB simple family (application)

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