

Title (en)
Cleaning apparatus and methods.

Title (de)
Reinigungsgerät und -verfahren.

Title (fr)
Dispositif et procédé de nettoyage.

Publication
EP 0343779 A1 19891129 (EN)

Application
EP 89303548 A 19890411

Priority
JP 5347288 U 19880422

Abstract (en)
Cleaning apparatus is provided comprising a cleaning tank (3) which accommodates a cleaning solution (5) and an object (7) to be cleaned, and fluid supply means (4,4a) for supplying a fluid comprising air which is injected as bubbles into the cleaning solution (5), the fluid striking the object (7) to be cleaned. The fluid supply means (4,4a) supplies the fluid at a high velocity and with sufficient force that the air bubbles burst upon striking the object (7), thereby producing shock waves, including ultrasonic waves, which provide thorough cleaning of the object (7). The fluid may be air or a cleaning solution. The cleaning solution is preferably xylene or methyl ethyl ketone.

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B08B 3/10; **B08B 3/12**

IPC 8 full level
B08B 3/10 (2006.01); **B08B 3/12** (2006.01)

CPC (source: EP)
B08B 3/12 (2013.01)

Citation (search report)

- [X] JP H05262964 A 19931012
- [Y] GB 2042208 A 19800917 - ESSILOR INT
- [A] CH 311228 A 19551130 - BERGER FRIEDRICH [CH]

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GB 2217806 A 19891101; **GB 8908145 D0 19890524**; AU 3236589 A 19891026; AU 603949 B2 19901129; EP 0343779 A1 19891129; JP H01156787 U 19891027

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