

Title (en)
Ultrasonic washing apparatus.

Title (de)
Ultraschallwascheinrichtung.

Title (fr)
Dispositif de nettoyage ultrasonique.

Publication
EP 0450222 B1 19951129 (EN)

Application
EP 90308705 A 19900808

Priority
JP 8856090 A 19900403

Abstract (en)
[origin: EP0450222A2] A spray type ultrasonic washing apparatus including a coaxial nozzle structure (1) which comprises inner and outer hollow conical frustums (3,2) for supplying nonde-aerated washing liquid (12) by way of the annular passage (7) delimited between the frustums and supplying de-aerated washing liquid (11) by way of the inner frustum, thus causing the de-aerated washing liquid to be enclosed by nonde-aerated washing liquid when spraying on a surface to be washed, so as to isolate the de-aerated washing liquid from the surrounding atmosphere and thereby preventing invasion of air into the same. This enables cavitation to be formed effectively in the de-aerated washing liquid, thereby increasing washing efficiency. <IMAGE>

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B08B 3/12

IPC 8 full level
B05B 7/06 (2006.01); **B08B 3/12** (2006.01)

CPC (source: EP)
B08B 3/12 (2013.01); **B08B 2203/0288** (2013.01)

Cited by
EP0675525A1; CN107876230A; CN105834165A; EP3450103A1; US11679454B2; EP3450105A1; CN109420986A; CN109420987A; US10836012B2

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