

Title (en)
Gas dissolution in liquids.

Title (de)
GasaufLösung in Flüssigkeiten.

Title (fr)
Dissolution de gaz dans liquides.

Publication
EP 0680779 A1 19951108 (EN)

Application
EP 95301776 A 19950316

Priority
GB 9408816 A 19940504

Abstract (en)
An apparatus (10) for dissolving gas in a liquid comprises a duct (12) for the passage of liquid therethrough, a gas supply (14) for introducing gas into said liquid and an ultrasound generator (20) for generating ultrasound which is then used to produce "sonically induced cavitation" of any bubbles thereby to split said bubbles into smaller bubbles more easily dissolved in the liquid. <IMAGE>

IPC 1-7
B01F 11/02; **B01F 3/04**

IPC 8 full level
B01F 3/04 (2006.01); **B01F 5/04** (2006.01); **B01F 11/02** (2006.01)

CPC (source: EP)
B01F 23/238 (2022.01); **B01F 25/3122** (2022.01); **B01F 31/841** (2022.01)

Citation (search report)
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• [A] US 4433916 A 19840228 - HALL MARK N [US]
• [Y] SOVIET PATENTS ABSTRACTS Section Ch Week 9241, 25 November 1992 Derwent World Patents Index; Class D15, AN 92-338686
• [Y] PATENT ABSTRACTS OF JAPAN vol. 6, no. 44 (C - 95)<922> 19 March 1982 (1982-03-19)

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