

Title (en)

DEVICE FOR STIRRING AND AERATING A LIQUID IN A TREATMENT VESSEL

Title (de)

VORRICHTUNG ZUM RÜHREN UND BELÜFTEN EINER FLÜSSIGKEIT IN EINEM BEHANDLUNGSTANK

Title (fr)

DISPOSITIF POUR BRASSER ET AERER UN LIQUIDE DANS UNE CUVE DE TRAITEMENT

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Application

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Abstract (en)

[origin: WO02085502A1] The invention concerns a device (10) for stirring and aerating a liquid (3) in a treatment vessel (1), comprising: at least a funnel (11); at least a casing (12) connected to said funnel (11); at least a main stirrer (13) located in said casing (12); means (14, 15) for driving said stirrer (13) in rotation; and means (17, 18) for incorporating air in said liquid, said air incorporating means consisting exclusively of means adapted to incorporate in said liquid (3) air at atmospheric pressure under the sole effect of the movement of said liquid (3) inside the device (10). Said device is characterised in that said air incorporating means include the upper edge of said funnel (11), configured so as form a cascade of liquid (3) at the periphery of said funnel (11).

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Citation (search report)

See references of WO 02085502A1

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WO 02085502 A1 20021031; CA 2443684 A1 20021031; CA 2443684 C 20100330; CN 1298415 C 20070207; CN 1503689 A 20040609; EE 05061 B1 20080815; EE 200300516 A 20040216; EP 1379325 A1 20040114; FR 2823743 A1 20021025; FR 2823743 B1 20040312; IL 158483 A0 20040512; JP 2004528973 A 20040924; JP 4532829 B2 20100825; NO 20034671 D0 20031017; NO 20034671 L 20031017; NO 327915 B1 20091019; RU 2003133324 A 20050410; RU 2292941 C2 20070210; US 2004130043 A1 20040708

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