

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: WO02085799A1] The invention concerns a device (10) for stirring and aerating a liquid (3) in a treatment vessel, comprising: at least a funnel (11) designed to be arranged in the upper part of said vessel (1) providing a passage (11a) with said vessel (1); at least a casing (12) connected to said funnel (11) and designed to extend towards the bottom of said vessel (1), said casing (12) including at least an opening (12a, 12b) in each of its upper and lower parts; at least a main stirrer (13) located in said sheath (12); means (14, 15) for driving said stirrer (13) in rotation; and means (17, 18) for incorporating air in said liquid. Said device is characterised in that said air incorporating means (17, 18) comprise, besides the upper edge of the funnel (11), peripheral means arranged proximate to said edge, adapted to incorporate in said liquid (3) air at atmospheric pressure under the sole effect of the movement of said liquid (3).

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