

Title (en)

APPARATUS AND METHOD FOR SUPPLYING GAS TO A LIQUID WITHIN A RECEPTACLE AND USE OF SUCH AN APPARATUS

Title (de)

VORRICHTUNG UND VERFAHREN FÜR DIE ZUFUHR EINES GASES ZU EINER FLÜSSIGKEIT IN EINEM BEHÄLTER UND VERWENDUNG EINER SOLCHEN VORRICHTUNG

Title (fr)

APPAREIL ET PROCÉDÉ POUR DÉLIVRER UN GAZ À UN LIQUIDE À L'INTÉRIEUR D'UN RÉCEPTACLE ET UTILISATION D'UN TEL APPAREIL

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Application

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Abstract (en)

[origin: WO2012084023A1] The present invention relates to an apparatus (2) for supplying gas to a liquid (3) within a receptacle (4), comprising a liquid circulating ducting means (20) having an inlet (8) in said receptacle (4) for receiving said liquid (3) and an outlet (14) returning said liquid (4) to said receptacle (4), said apparatus (2) further comprises a first pump (6) arranged downstream of said inlet (8) in said liquid circulating ducting means (20) adapted to withdraw said liquid from said receptacle through said inlet (8), wherein said gas is supplied into said liquid (3) downstream of said first pump (6). Said apparatus (2) further comprises a second pump (9), which is connected downstream of said supplied gas in order to increase the pressure of said withdrawn liquid and mix said gas with said liquid (3). The present invention also relates to the use of such an apparatus in a contaminating liquid treatment system. Furthermore, it is disclosed a method for supplying gas to a liquid (3) within a receptacle (4).

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