

Title (en)

SATURATION OF LIQUIDS WITH GAS BY INJECTION OF SAID GAS UNDER PRESSURE AND RELAXATION FOR INTRODUCING SAID LIQUIDS INTO A FLOTATION CELL

Title (de)

DRUCKAUFSÄTTIGUNG UND DRUCKENTSPANNUNG VON FLÜSSIGKEITEN ZUM EINBRINGEN IN EINE FLOTATIONSZELLE

Title (fr)

SATURATION DE LIQUIDES EN GAZ, PAR INJECTION DUDIT GAZ SOUS PRESSION ET DETENTE, POUR L'INTRODUCTION DESDITS LIQUIDES DANS UNE CELLULE DE FLOTTATION

Publication

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Application

**EP 03735609 A 20030612**

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Abstract (en)

[origin: WO2004000447A2] The invention relates to a device for saturating a liquid with gas by means of pressure, which comprises: a saturation container (1) filled with pressurized gas, one or more nozzles (8) for injecting a liquid into the saturation container (1) at the top of said saturation container (1), tubes (dissolver tubes) (4), open towards the top and closed towards the bottom, and disposed below the one or more nozzles (8) in the saturation container (1), every dissolver tube (4) being associated with one or more nozzles (8), and a liquid outlet (16) downstream of the dissolver tubes (4) on the bottom of the saturation container (1). The invention also relates to a device for saturating a liquid with gas by injection of said gas under pressure, combined with a device for the relaxation of said gas for introducing said liquid, after relaxation, into a flotation cell.

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