Title (en)

STATIONARY AND MOBILE DEVICE FOR THE ENERGY-OPTIMAL INTRODUCTION OF A FLUID INTO A FLUID BY MEANS OF A CONTROLLED INPUT OF INDIVIDUAL BUBBLES OR DROPS OF A GAS, GAS MIXTURE, OR FLUID

Title (de)

STATIONÄRE UND MOBILE VORRICHTUNG ZUM ENERGIEOPTIMALEN EINBRINGEN EINES FLUIDES IN EIN FLUID DURCH EINEN GESTEUERTEN EINTRAG EINZELNER BLASEN ODER TROPFEN EINES GASES, GASGEMISCHES ODER FLUIDES

Title (fr)

DISPOSITIF FIXE ET MOBILE POUR L'INCORPORATION ÉNERGÉTIQUEMENT OPTIMISÉE D'UN FLUIDE DANS UN FLUIDE PAR UNE INSERTION CONTRÔLÉE DE BULLES OU DE GOUTTES INDIVIDUELLES D'UN GAZ, D'UN MÉLANGE GAZEUX OU D'UN FLUIDE

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Abstract (en)

[origin: WO2015128508A2] The invention relates to a device (1) for introducing a fluid (2), in particular a gas or a gas mixture, from the device (1) into a fluid (3) surrounding the device (1), in particular into a liquid, comprising a pressure chamber (10), a covering element (11), which forms at least a top side of the pressure chamber (10), a gassifier tub (12), which forms at least a bottom side of the pressure chamber (10), a supply-air media line (30) for feeding the fluid (2) into the pressure chamber (10), a dewatering line (20) for leading liquid out of the pressure chamber (10), and a large number of outlet elements (40) for conducting the fluid (2), which outlet elements are formed in the covering element (11). It is essential to the invention that the covering element (11) can be produced as a molded body or from a monolithic solid body.

IPC 8 full level

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