

Title (en)

METHOD AND ARRANGEMENT FOR THE SUPPLY OF GAS, OR A MIXTURE OF GASES, TO A FLUID

Title (de)

VERFAHREN UND ANORDNUNG ZUR EINSPEISUNG EINES GASES ODER EINER GASMISCHUNG IN EINE FLÜSSIGKEIT

Title (fr)

PRODUIT ET AGENCEMENT POUR L'APPORT DE GAZ, OU D'UN MÉLANGE DE GAZ, À UN FLUIDE

Publication

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Application

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Abstract (en)

[origin: WO2012134390A1] The invention concerns an arrangement (1) for the processing and addition of a gas (2), or a mixture of gases, to a fluid (3). The arrangement comprises at least one vessel (4) that is intended to be at least partially submerged in the fluid (3), the vessel (4) of which comprises at least one inner compartment (5) provided with at least one inlet (10) for the input flow of fluid into the vessel (4) and at least one outlet (11) for the output flow of fluid from the vessel. The arrangement (1) comprises at least one flow-creation arrangement (14) through which an output flow of fluid (3) from the vessel (4) takes place during the formation of at least one vortex (27) in the inner chamber (5). What is unique for the present arrangement is that the inlet (10) is constituted by at least one input flow channel that is located in the lower part of the vessel (4) and that the input flow channel is directed essentially in the tangential direction of the vessel (4) obliquely upwards within the interval 91 to 125 degrees relative to the axial direction of the vessel. What is furthermore unique is that the flow-creation arrangement (14) is constituted by an impeller (16) and that the impeller (16) is located at the outer surface of the vessel at a distance from the bottom of the vessel. The present invention comprises also a method for the use of the arrangement.

IPC 8 full level

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Citation (search report)

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- See also references of WO 2012134390A1

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