

Title (en)
METHOD AND ARRANGEMENT FOR REMOVING GAS FROM A LIQUID

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ABSCHIEDUNG EINES GASES AUS EINER FLÜSSIGKEIT

Title (fr)
PROCÉDÉ ET AGENCEMENT POUR RETIRER UN GAZ D'UN LIQUIDE

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Application
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Abstract (en)
[origin: WO2011095685A1] The invention relates to a method and arrangement for removing gas, particularly inert gas bubbles, from process solutions. A container (1) containing process solution is provided with means both for feeding gas and solution into a container and for removing gas and solution from the container, said container (1) comprising a separate gas removal tank (2) set therein, into which tank the solution is fed tangentially at the lower part (3) of the gas removal tank, and in which gas removal tank the solution is conducted in a helical, upwardly oriented motion, as the gas bubbles (7) are removed from the top part (14) of the gas removal tank.

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Citation (search report)
• [X] WO 2008123973 A1 20081016 - SIEMENS WATER TECH CORP [US], et al
• [A] US 2010006488 A1 20100114 - FOLKVANG JORN [NO]
• [A] US 5755965 A 19980526 - REIBER HAROLD STEVEN [US]
• [A] US 6019825 A 20000201 - GREENE BOYD [US], et al
• [A] US 4878924 A 19891107 - YANO HISASHI [JP], et al
• [A] WO 03012217 A1 20030213 - VORTECH ECO SYSTEMS LTD [NZ], et al
• [A] GB 2430637 A 20070404 - VETCO AIBEL AS [NO]
• See references of WO 2011095685A1

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