

Title (en)  
METHOD FOR TREATING AIR FROM A CONFINED SPACE IN A BUBBLE COLUMN

Title (de)  
VERFAHREN ZUR BEHANDLUNG VON LUFT AUS EINEM GESCHLOSSENEN RAUM IN EINER BLASENSÄULE

Title (fr)  
PROCEDE DE TRAITEMENT D'AIR D'UN ESPACE CONFINE DANS UNE COLONNE A BULLES

Publication  
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Application  
**EP 21820637 A 20211209**

Priority  
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Abstract (en)  
[origin: WO2022128712A1] The present invention relates to the use of a bubble column for the treatment of air contained in and/or entering and/or leaving a confined space in order to deplete said air of polluting gaseous compounds, especially NO<sub>x</sub>, SO<sub>x</sub> and/or VOC, and solid particles. The bubble column (100) comprises an enclosure, preferably cylindrical, with a ratio H/D # 1.5 (H: height, D: diameter), filled with liquid capable of capturing said particles and polluting gaseous compounds. The air is injected into the liquid at the bottom of the enclosure (1) so as to form bubbles, and at a flow rate such that the operating gas surface velocity U<sub>g</sub> is 0.35 to 0.50 m/s. The air in the form of bubbles is thus treated by contact with the liquid such that at least a portion of the particles and/or the at least one polluting gaseous compound is collected by the liquid, and the treated air is discharged at the top of the enclosure.

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See references of WO 2022128712A1

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