

Title (en)  
DEVICE FOR THE ENRICHMENT OF A LIQUID STREAM WITH A GAS

Title (de)  
VORRICHTUNG FÜR DIE ANREICHERUNG EINES FLÜSSIGKEITSSTROMS MIT EINEM GAS

Title (fr)  
DISPOSITIF POUR ENRICHIR UN COURANT DE LIQUIDE AVEC UN GAZ

Publication  
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Application  
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• LU 91432 A 20080423

Abstract (en)  
[origin: WO2009021960A1] The invention relates to a device for the enrichment of a liquid stream with a gas, comprising a flow mixer (14) with a venture nozzle (36), having a rotationally symmetrical contraction (40) with a diameter D and being flown through axially by the liquid stream. The invention further comprises a gas feed for the lateral feed of the gas into the contraction (40) of the venture nozzle (36). The gas feed comprises at least one gas channel (54, 54') with a diameter  $d < 0,5 \cdot D$ , ending laterally in the contraction (40) of the venture nozzle (36) in a way, such that the elongated longitudinal axis (56, 56') thereof is tangential to an imaginary cylinder surface (58), which is coaxial to the contraction (40) and comprises a diameter  $D' > d$ .

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Cited by  
DE102020116961A1; DE102020116962A1; WO2022214568A1; LU500027B1

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