

Title (en)
DEVICE AND METHOD FOR GAS DISPERSION

Title (de)
VORRICHTUNG UND VERFAHREN ZUR GASDISPERGIERUNG

Title (fr)
DISPOSITIF ET PROCÉDÉ DE DISPERSION DE GAZ

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Application
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Abstract (en)
[origin: CA2809082A1] The invention relates to a device for dispersing gas into a liquid. The device has a number n of successive zones Z₁, Z₂, ..., Z_n having static mixing elements, wherein each zone Z_i has a length L_i and an effective diameter D_i. The mechanical energy input E_t, which is standardised to the particular ratio L_i/D_i and acts on the gas/liquid mixture, increases from zone to zone in the flow direction. In this connection n is a whole number greater than or equal to 3 and i is an index which runs through the whole numbers from 1 to the number n of zones. The invention further relates to a method for dispersing gas into a liquid using the device according to the invention.

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