

Title (en)
JET DISPERSER

Title (de)
STRAHLDISPERGATOR

Title (fr)
DISPERSEUR À JET

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Application
EP 08716547 A 20080314

Priority
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Abstract (en)
[origin: WO2008113519A1] A jet disperser for the fine mixing or dispersing of fluid media has a housing (7, 9, 10), in which a process chamber (1) is disposed for mixing the fluid media. At least two gaps (2a, 2b) extending substantially perpendicular to the longitudinal axis of the process chamber, the gaps also being connected to at least one further feed/discharge channel (3a, 3b) for a fluid medium, end substantially radially in the process chamber via a gap opening. A piston (5) is introduced in the process chamber, wherein the piston can be rotated about a rotational axis (6) and carries an arrangement of openings connected to the process chamber (1) at the height of the gap openings such that the gap openings (2a, 2b) are closed by the piston depending on the angular position of the piston (5) to a higher or lesser degree. In this manner, it is possible to effortlessly continuously vary the inflow cross-section of the gap (2a, 2b), thus enabling a reproducible, and moreover a particularly fine mixing or dispersing of the fluid media at a low expenditure of energy, even if the mass flows of the reactants vary.

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