

Title (en)  
JET DISPERSER

Title (de)  
STRAHLDISPERGATOR

Title (fr)  
DISPERSEUR À JET

Publication  
**EP 2129454 B1 20110720 (DE)**

Application  
**EP 08716547 A 20080314**

Priority  
• EP 2008002053 W 20080314  
• DE 102007014487 A 20070322

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.

IPC 8 full level  
**B01F 25/46** (2022.01)

CPC (source: EP)  
**B01F 23/41** (2022.01); **B01F 23/50** (2022.01); **B01F 25/23** (2022.01); **B01F 25/4412** (2022.01); **B01F 25/4422** (2022.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008113519 A1 20080925; WO 2008113519 A8 20090911**; AT E516874 T1 20110815; DE 102007014487 A1 20081009; EP 2129454 A1 20091209; EP 2129454 B1 20110720

DOCDB simple family (application)  
**EP 2008002053 W 20080314**; AT 08716547 T 20080314; DE 102007014487 A 20070322; EP 08716547 A 20080314