

Title (en)
Mixing device

Title (de)
Mischvorrichtung

Title (fr)
Dispositif de mélange

Publication
EP 0776689 B1 20010905 (DE)

Application
EP 96810767 A 19961111

Priority
DE 19544816 A 19951201

Abstract (en)
[origin: EP0776689A1] An original unit mixes fluids having identical or differing mass flow rates. Flowing along a partition wall (22), they pass freely around surfaces of several, adjacent, downstream, turbulent eddy generators (9). Sides (11, 13) of these bodies (9) are flush with one side of the partition (22). Between them, and angle (α) is included. The long edges of the body (12, 14) include an angle (θ) with the wall (22). The sides (11, 13) share a connecting edge (16) which is perpendicular to the wall (22), forming the leading edge. The body has a roof in two sections (1, 2), terminating at the sides (11, 13), and connecting at a edge (10). The trailing edges (5, 6) of the roof sections subtend an angle (γ) with the wall (22), and lie on the opposite side of it. A base has two sections (3, 4) joining at an edge (30), and connected by the rear edges (5, 6) to the roof sections.

IPC 1-7
B01F 5/06; F23R 3/20

IPC 8 full level
B01F 5/00 (2006.01); **B01F 5/06** (2006.01); **F23R 3/20** (2006.01)

CPC (source: EP US)
B01F 25/421 (2022.01 - EP US); **B01F 25/43172** (2022.01 - EP US); **B01F 25/431971** (2022.01 - EP US); **F05B 2260/222** (2013.01 - EP US)

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