

Title (en)

Mixer for mixing at least two gas streams or other Newtonian liquids

Title (de)

Mischer für die Mischung mindestens zweier Gasströme oder anderer Newtonscher Flüssigkeiten

Title (fr)

Mélangeur pour mélanger au moins deux courants de gaz ou d'autres liquides newtoniens

Publication

**EP 1166861 B1 20030326 (DE)**

Application

**EP 00112875 A 20000619**

Priority

EP 00112875 A 20000619

Abstract (en)

[origin: EP1166861A1] A separate flow channel (5) for a second gas stream extends into a main channel (1) and discharges at the rear (10) of a baffle (7) situated in the main gas stream. Preferred Features: Discharge occurs near the front half of the baffle (7). The flow channel for the second stream leads into chambers within it. Their outlet openings are on the rear of the baffle. The chamber has sidewalls at an angle to the baffle surface (7), which strengthen the it against bending loads. The separate flow channel is led to the front or the rear side of the baffle, which is supported by stays in the main flow channel. One stay is tubular and forms a separate flow channel. The angle (  $\alpha$  ) of the baffle with respect to the main flow direction can be adjusted. Outlet openings of separate chambers are arranged in series.

IPC 1-7

**B01F 5/06**; **B01F 5/04**

IPC 8 full level

**B01F 5/04** (2006.01); **B01F 5/06** (2006.01)

CPC (source: EP US)

**B01F 25/3131** (2022.01 - EP US); **B01F 25/4311** (2022.01 - EP US); **B01F 25/4316** (2022.01 - EP US)

Cited by

DE102018005192B3; EA039537B1; DE102006004069A1; DE102006004068A1; US7547134B2; US7448794B2; DE102017002811A1; US8501131B2; EP1568410A1; KR101140594B1; WO2019012179A1; WO2007085472A1; WO2007085471A1; US8517599B2; EP1962995B2

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DOCDB simple family (publication)

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DOCDB simple family (application)

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