

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 (α) 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

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1166861 A1 20020102; **EP 1166861 B1 20030326**; AT E235311 T1 20030415; CA 2350961 A1 20011219; CA 2350961 C 20050816; DE 50001550 D1 20030430; DK 1166861 T3 20030721; ES 2192505 T3 20031016; MX PA01006231 A 20030519; US 2002017731 A1 20020214; US 6779786 B2 20040824

DOCDB simple family (application)

EP 00112875 A 20000619; AT 00112875 T 20000619; CA 2350961 A 20010618; DE 50001550 T 20000619; DK 00112875 T 20000619; ES 00112875 T 20000619; MX PA01006231 A 20010618; US 88435601 A 20010619