

Title (en)  
Static mixer

Title (de)  
Statischer Mischer

Title (fr)  
Mélangeur statique

Publication  
**EP 0815929 B1 20000830 (DE)**

Application  
**EP 96810441 A 19960705**

Priority  
EP 96810441 A 19960705

Abstract (en)  
[origin: EP0815929A1] A static mixer has a bundle of chambered passages (A,B,C,) which include at least some chambers which bring about a mixing effect. The bundle is located inside a tube, and the mixing chambers are arranged in a series extending in the direction of the axis of the tube, each chamber being bounded by two transverse end walls. Two adjacent side walls of the mixing chambers have four openings (a1, b1,a2,b2) arranged on alternate sides, which create connections with two upstream (A1,B1) and two downstream chambers (A2,B2). Between at least two sections of the mixer which contain mixing chambers, are placed transfer chambers (S1,S2,) which have two closed ends and three side openings to adjoining chambers.

IPC 1-7  
**B01F 5/06**

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

CPC (source: EP US)  
**B01F 25/43151** (2022.01 - EP US); **B01F 25/4321** (2022.01 - EP US)

Cited by  
DE102017117198A1; EP3338882A1; EP4000749A1; US6161730A; EP0993864A1; EP2335817A3; EP2550089A4; EP3023139A1; EP1312409A1; CN103118798A; DE10322922A1; EP2614883A1; WO2022101167A1; DE10158651A1; CH699958A1; DE10158651B4; EP2548634A1; CN106659992A; EP3156121A4; EP3907461A1; US10363526B2; EP2133138A1; EP1588757A1; CN107847885A; WO2010060225A1; WO2017027275A3; WO2011162728A1; US7645843B2; US8936391B2; EP3446776A3; WO2011119820A1; DE202018106654U1; WO2020104473A2; US7199242B2; EP4309772A1; WO2024017933A1; WO2014029035A1; US9375692B2; WO2019020764A1; WO2013171030A1; US9764296B2; US9878335B2; US10828609B2; US10946349B2; EP3241611A1; WO2017191054A1; US10722853B2; US10946357B2; WO2012010337A1; EP2527041A1; US9393531B2; US9770728B2; US10265713B2; DE202008007801U1; EP2286925A2; DE202011050465U1; US8083397B2; WO2012172078A1; US9724653B2; US10065200B2; US10245565B2; US10427114B2; WO2012010338A1; EP3342478A1; EP3342479A1; WO2018122197A1; WO2018122171A1; US10625282B2; EP4282516A1; WO2023227408A1; US12064738B2; EP3059006B1; US10245566B2; EP4059979A1; WO2022195019A1; DE202023106686U1; EP4371656A1; EP4371657A1; WO2024104789A1; EP1125625A2; EP3059006A1

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AT BE CH DE ES FI FR GB IT LI NL SE

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