

Title (en)  
Static mixer

Title (de)  
Statischer Mischer

Title (fr)  
Mélangeur statique

Publication  
**EP 2335817 A3 20120613 (DE)**

Application  
**EP 10191685 A 20101118**

Priority  
DE 102009054652 A 20091215

Abstract (en)  
[origin: EP2335817A2] The mixer has a mixing element (4) arranged within a channel (1) and comprising dividing structures for dividing media stream conveyed through the channel into two substreams. The two substreams are combined and exhibit different average paths from one of the dividing structures to a point in the channel, where the average path lengths differ by approximately 10 percent. The mixing element comprises a base plate and is formed as single-piece in a plastic injection mold. The channel exhibits rectangular, square, round or circular cross-section. An independent claim is also included for a method for mixing a media stream.

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

CPC (source: EP US)  
**B01F 25/4321** (2022.01 - EP US); **B01F 23/47** (2022.01 - EP US)

Citation (search report)

- [X] EP 1125626 A1 20010822 - SULZER CHEMTECH AG [CH]
- [X] US 4043539 A 19770823 - GILMER WILLIAM N, et al
- [X] EP 0815929 A1 19980107 - SULZER CHEMTECH AG [CH]
- [XD] EP 0749776 A1 19961227 - SULZER CHEMTECH AG [CH]

Cited by  
FR3044644A1; WO2017093564A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2335817 A2 20110622; EP 2335817 A3 20120613**; AU 2010257211 A1 20110630; CA 2725343 A1 20110615; CN 102091547 A 20110615; DE 102009054652 A1 20110616; JP 2011125857 A 20110630; US 2011141844 A1 20110616

DOCDB simple family (application)  
**EP 10191685 A 20101118**; AU 2010257211 A 20101215; CA 2725343 A 20101214; CN 201010587543 A 20101214; DE 102009054652 A 20091215; JP 2010278441 A 20101214; US 96809010 A 20101214