

Title (en)

Static mixing device for flowable materials

Title (de)

Statische Mischvorrichtung für fließfähige Stoffe

Title (fr)

Dispositif de mélange statique pour matières pouvant s'écouler

Publication

**EP 2286904 B1 20120418 (DE)**

Application

**EP 09405136 A 20090812**

Priority

EP 09405136 A 20090812

Abstract (en)

[origin: EP2286904A1] The device has a mixing element arranged in a flow channel (10) and comprising crosswisely arranged rods (14A, 14B) enclosing an angle of larger than 0 degree with a longitudinal axis of the flow channel. The rods are arranged in planes that lie parallel to each other. The rods are arranged between adjacent intersection points (16), and include a recess with small widths (b) under formation of large wall clearance (c) between front-sided joint edges of the rods, where the sum of the small widths of the rods amounts to 35 percentages of diameter of the mixing element.

IPC 8 full level

**B01F 23/47** (2022.01)

CPC (source: EP US)

**B01F 23/47** (2022.01 - EP US); **B01F 25/43161** (2022.01 - EP US); **B01F 2101/2805** (2022.01 - EP US); **B01F 2215/0422** (2013.01 - EP US); **B01F 2215/0431** (2013.01 - EP US)

Cited by

EP3081285A1; DE102016008759A1; EP4292699A1; US10933398B2; EP3181221A1; WO2023117854A1; EP3932531A1; EP2915581A1; EP4309772A1; WO2024017933A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2286904 A1 20110223**; **EP 2286904 B1 20120418**; AT E553839 T1 20120515; US 2011080801 A1 20110407; US 8807826 B2 20140819

DOCDB simple family (application)

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