

Title (en)

Mixing element for a static mixer and its use

Title (de)

Mischelement für einen statischen Mischer sowie dessen Verwendung

Title (fr)

Élément de mélange pour un mélangeur statique et son utilisation

Publication

EP 2599540 B1 20140108 (DE)

Application

EP 12186959 A 20121002

Priority

- EP 11191143 A 20111129
- EP 12186959 A 20121002

Abstract (en)

[origin: EP2599540A1] The mixing element (100) has an inlet element which is arranged upstream of the installation portion (101) that is connected to one another through a connection element. The inlet passage opens into a pre-chamber that is bounded by the outlet side of the main portion by the connection element. The ratio of the cross-sectional area of the remaining free cross-sectional area and of the continuation passage in a sectional plane is laid normal to the longitudinal axis and is arranged at the mixer entry amounts to at least 4:1. An independent claim is included for multicomponent cartridge.

IPC 8 full level

B01F 23/47 (2022.01); **B05C 17/005** (2006.01)

CPC (source: CN EP KR US)

B01F 23/47 (2022.01 - KR); **B01F 25/00** (2022.01 - KR); **B01F 25/40** (2022.01 - KR); **B01F 25/422** (2022.01 - US); **B01F 25/423** (2022.01 - CN); **B01F 25/43161** (2022.01 - CN EP KR US); **B01F 25/4317** (2022.01 - CN EP KR US); **B01F 25/4321** (2022.01 - EP US); **B01F 33/00** (2022.01 - KR); **B01F 33/5011** (2022.01 - EP US); **B01F 2101/19** (2022.01 - EP US); **B01F 2101/20** (2022.01 - EP US); **B05C 17/00553** (2013.01 - EP US)

Cited by

DE102017117198A1; DE102017117199A1; CN110099737A; EP3034180A1; EP3338882A1; US10363526B2; US11020716B2; WO2016096977A1; WO2017027279A1; US10245565B2; US10427114B2; WO2019020768A1; WO2019020764A1; US11717794B2; US11986785B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2599540 A1 20130605; **EP 2599540 B1 20140108**; AU 2012254968 A1 20130613; AU 2012254968 B2 20150129; CA 2789725 A1 20130529; CA 2789725 C 20190806; CN 103127853 A 20130605; CN 103127853 B 20170822; CN 107456889 A 20171212; DK 2599540 T3 20140331; ES 2443368 T3 20140219; IL 222512 A 20161229; JP 2013111574 A 20130610; JP 6158496 B2 20170705; KR 102022572 B1 20191104; KR 20130060142 A 20130607; PL 2599540 T3 20140630; US 10293311 B2 20190521; US 2013135963 A1 20130530

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