

Title (en)
Static mixer with polymorphous structure

Title (de)
Statischer Mischer mit polymorpher Struktur

Title (fr)
Mélangeur statique avec une structure polymorphe

Publication
EP 1510247 B1 20080430 (DE)

Application
EP 04405482 A 20040728

Priority
• EP 04405482 A 20040728
• EP 03405617 A 20030826

Abstract (en)
[origin: US2005047274A1] The static mixer has a polymorphic structure that can be used for mixing or homogenizing a fluid medium. The mixer has at least two sections arranged in a tube one after the other in the longitudinal direction. Baffles of the first section that are effective to promote mixing redistribute the medium to be mixed largely globally over the entire cross-section of the tube. Baffles of the second section that are effective to promote mixing effect largely local mixing in partial regions, which in each case contain only one part of the tube cross-section. The baffles of both sections have the same or approximately equally large hydraulic diameters.

IPC 8 full level
B01F 5/06 (2006.01)

CPC (source: EP US)
B01F 25/4312 (2022.01 - EP US); **B01F 25/43161** (2022.01 - EP US)

Cited by
CN103127853A; EP4059979A1; WO2022195019A1

Designated contracting state (EPC)
CH DE GB IT LI

DOCDB simple family (publication)
US 2005047274 A1 20050303; US 7438464 B2 20081021; DE 502004006983 D1 20080612; EP 1510247 A1 20050302;
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