

Title (en)
Mixer tube for low viscosity fluids

Title (de)
Mischrohr für niedrigviskose Fluide

Title (fr)
Tuyau mélangeur pour fluides à faible viscosité

Publication
EP 0800857 B1 20030730 (DE)

Application
EP 96810224 A 19960412

Priority
EP 96810224 A 19960412

Abstract (en)
[origin: EP0800857A1] The static mixing tube (1) is suitable for low viscosity fluids, especially containing suspended solids, and has plates (2) in individual locations of the tube, each partly covering the cross section. Through the plates, open narrow passages (3) each include a gap region (31) running from wall to wall through the tube axis (c), or running from wall to wall through the tube axis to a second partial region (32). The gap encloses an angle of 20-60 degrees , preferably 35-45 degrees with the tube axis. There is also a mixing length (4).

IPC 1-7
B01F 5/06

IPC 8 full level
B01F 3/12 (2006.01); **B01F 5/00** (2006.01); **B01F 5/06** (2006.01)

CPC (source: EP KR US)
B01F 25/43161 (2022.01 - EP US); **B01F 27/00** (2022.01 - KR)

Cited by
DE19748383C2; CN111655360A; US7199242B2; EP0918146A1; EP3479893A1; WO2019086693A1; US11752473B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0800857 A1 19971015; EP 0800857 B1 20030730; AT E246036 T1 20030815; BR 9701784 A 19991019; CA 2199332 A1 19971012; CA 2199332 C 20001121; CN 1078817 C 20020206; CN 1167007 A 19971210; CZ 109197 A3 19971015; CZ 291563 B6 20030416; DE 59610627 D1 20030904; ES 2203673 T3 20040416; JP H09276678 A 19971028; KR 100481930 B1 20050718; KR 970069108 A 19971107; MX 9702575 A 19971031; PL 182950 B1 20020531; PL 319395 A1 19971013; TW 358039 B 19990511; US 5813762 A 19980929

DOCDB simple family (application)
EP 96810224 A 19960412; AT 96810224 T 19960412; BR 9701784 A 19970411; CA 2199332 A 19970306; CN 97109584 A 19970411; CZ 109197 A 19970410; DE 59610627 T 19960412; ES 96810224 T 19960412; JP 3629197 A 19970220; KR 19970006982 A 19970304; MX 9702575 A 19970409; PL 31939597 A 19970409; TW 86101299 A 19970204; US 80838097 A 19970228