

Title (en)
Static mixer

Title (de)
Statikmischer

Title (fr)
Melangeur statique

Publication
EP 1238698 B1 20041229 (DE)

Application
EP 02000849 A 20020115

Priority
DE 20103983 U 20010307

Abstract (en)
[origin: EP1238698A1] The static mixer (10) contains screw-like mixing sections (16, 18) of differing pitch. Preferred Features: The mixing sections form a sequence alternating between greater and lesser pitch. Their pitches differ. The mixing sections differ in their sense of rotation. The initial edge of one section, is offset at an angle with respect to the terminal edge of the preceding section. Mixing sections with smaller pitch, are shorter than those with greater pitch, measured along the length of the channel (14). The sections of smaller pitch, have a length about 0.5 times the channel diameter. Those with greater pitch have a length of 0.9-1 times the channel diameter. A mixing section has an angle of rotation of about 180 degrees .

IPC 1-7
B01F 5/06; **B01F 13/00**; **B05C 17/005**; **B65D 81/32**

IPC 8 full level
B01F 23/47 (2022.01); **B05C 17/005** (2006.01); **B65D 81/32** (2006.01)

CPC (source: EP)
B01F 25/43141 (2022.01); **B01F 33/5011** (2022.01)

Cited by
EP1670409A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1238698 A1 20020911; **EP 1238698 B1 20041229**; AT E285837 T1 20050115; CZ 2002853 A3 20021016; DE 20103983 U1 20020711; DE 50201865 D1 20050203; DK 1238698 T3 20050207; ES 2233720 T3 20050616; HU 0200380 D0 20020328; HU 222906 B1 20031229; HU P0200380 A2 20030128; HU P0200380 A3 20030428; PL 352647 A1 20020909

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