

Title (en)  
Static mixer

Title (de)  
Statischer Mischer

Title (fr)  
Mélangeur statique

Publication  
**EP 1123730 A3 20030502 (DE)**

Application  
**EP 01101637 A 20010126**

Priority  
DE 10005457 A 20000208

Abstract (en)  
[origin: US6595679B2] A static mixer is disclosed comprising a mixer insert and an enclosing housing having a central axis. The insert includes at least three interleaved grids and each of the grids includes a plurality of layers that are superposed parallel one to the others. Each of the layers includes a plurality of bars that are mutually parallel one to the others. There is an angle of 30 to 60 degrees between each of the bars and the axis.

IPC 1-7  
**B01F 5/06**

IPC 8 full level  
**B01F 23/47** (2022.01); **F28D 7/00** (2006.01)

CPC (source: EP US)  
**B01F 25/43161** (2022.01 - EP US); **B01F 25/4317** (2022.01 - EP); **B01F 25/4319** (2022.01 - EP); **F28D 7/0058** (2013.01 - EP US); **B01F 23/47** (2022.01 - EP US); **B01F 25/4317** (2022.01 - US); **B01F 25/4319** (2022.01 - US); **B01F 35/90** (2022.01 - EP US); **F28D 2021/0052** (2013.01 - EP US)

Citation (search report)

- [A] US 4692030 A 19870908 - TAUSCHER WILLY [CH], et al
- [A] EP 0412177 A1 19910213 - KAMA CORP [US]
- [AD] US 4062524 A 19771213 - BRAUNER DIETER, et al

Cited by  
EP2851118A1; EP2629039A1; EP4089357A1; US8536356B2; EP2865503A1; WO2009000642A1; DE112010002969B4; DE102019009099A1; FR2929856A1; US2011071308A1; EP1967806A1; JP2008224205A; EP2277620A3; CN102861522A; US8794820B2; WO2011006613A2; US8628233B2; WO2004098759A1; WO2017129768A1; WO2009127596A1; EP3489603A1; US11085710B2; EP3822569A1; US8491180B2; EP2158027B2

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 1123730 A2 20010816; EP 1123730 A3 20030502; EP 1123730 B1 20041103**; AT E281230 T1 20041115; CA 2333839 A1 20010808; CA 2333839 C 20091006; DE 10005457 A1 20010809; DE 50104336 D1 20041209; DK 1123730 T3 20050214; ES 2232527 T3 20050601; JP 2001246234 A 20010911; PT 1123730 E 20050331; US 2001012235 A1 20010809; US 6595679 B2 20030722

DOCDB simple family (application)  
**EP 01101637 A 20010126**; AT 01101637 T 20010126; CA 2333839 A 20010205; DE 10005457 A 20000208; DE 50104336 T 20010126; DK 01101637 T 20010126; ES 01101637 T 20010126; JP 2001028507 A 20010205; PT 01101637 T 20010126; US 77869001 A 20010207