

Title (en)  
Dynamic mixer

Title (de)  
Dynamischer Mischer

Title (fr)  
Mélangeur dynamique

Publication  
**EP 1149627 B1 20040804 (DE)**

Application  
**EP 01106102 A 20010313**

Priority  
• DE 10015133 A 20000329  
• DE 10043489 A 20000901

Abstract (en)  
[origin: EP1149627A2] Dynamic mixer has a mixing element (3) with mixing wings (5, 6) arranged on the side facing the closing part (2). The wings are non material-stripping with respect to the wall of the chamber part (1) and have axially free recesses, where the recesses of one wing are covered by the non-free part of the other wing. An inner sleeve (4) which extends up to the first mixing wing is arranged on the closing part. Preferred Features: The mixing wings are arranged in the longitudinal direction. An inner peg (12) is arranged on the closing part. The first mixing wing has inner and/or outer recesses and the second mixing wing has only outer recesses. The mixer has a third mixing wing (14, 15, 16, 17).

IPC 1-7  
**B01F 13/00**; **A61C 9/00**; **B05C 17/005**

IPC 8 full level  
**A61C 9/00** (2006.01); **B01F 13/00** (2006.01); **B05C 17/005** (2006.01); **B01F 7/00** (2006.01)

CPC (source: EP)  
**B01F 27/0722** (2022.01); **B01F 27/0724** (2022.01); **B01F 27/112** (2022.01); **B01F 33/5011** (2022.01); **B01F 35/522** (2022.01); **B01F 27/11251** (2022.01); **B01F 2101/19** (2022.01); **B01F 2101/2305** (2022.01)

Cited by  
US7320541B2; WO2006032467A1; WO2013026722A1; US7674033B2; US6523992B1; EP1640060A1; EP1510249A1; AU2004205312B2; JP2005512801A; US6394643B1; US6443612B1; US6932243B2; US6540395B2; US8147122B2; US7172338B2; US6854621B2; WO2014175673A1; US9522366B2; US8579497B2; WO2005099913A1; US7287898B2; US9463079B2; WO2013127534A1; KR101355130B1; TWI568492B; DE102020134316A1; WO2022129322A1

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 1149627 A2 20011031**; **EP 1149627 A3 20030604**; **EP 1149627 B1 20040804**; AT E272440 T1 20040815; DE 50103064 D1 20040909; DK 1149627 T3 20041122; ES 2223666 T3 20050301; PT 1149627 E 20041130; TR 200401986 T4 20041021

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**EP 01106102 A 20010313**; AT 01106102 T 20010313; DE 50103064 T 20010313; DK 01106102 T 20010313; ES 01106102 T 20010313; PT 01106102 T 20010313; TR 200401986 T 20010313