

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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