

Title (en)

Static mixer element for mixing flowable masses

Title (de)

Statikmischelement zum Mischen fließfähiger Massen

Title (fr)

Élément de mélange statique pour mélanger des masses fluides

Publication

EP 1671696 A3 20060628 (DE)

Application

EP 05111405 A 20051129

Priority

DE 102004060621 A 20041216

Abstract (en)

[origin: EP1671696A2] In a static mixing element with first and second casing parts (11, 12) (fixed together in an axial direction with sealing edges (14, 15) and linked by a connector (30)) and flow guides (20) in the flow space (16) between the casing parts and extending from the inlet opening (17) to the outlet opening (18), the flow guides are in the form of vanes (21, 22), extending beyond the sealing edges and leaving a section (35) of the flow space of the casing parts free up to a sealing edge.

IPC 8 full level

B01F 5/06 (2006.01); **B01F 15/00** (2006.01); **B28C 5/02** (2006.01)

CPC (source: EP US)

B01F 25/4312 (2022.01 - EP US); **B01F 25/4316** (2022.01 - EP US); **B01F 25/4317** (2022.01 - EP); **B01F 25/431971** (2022.01 - EP); **B01F 35/10** (2022.01 - EP US); **B28C 5/02** (2013.01 - EP US); **B01F 25/4317** (2022.01 - US); **B01F 25/431971** (2022.01 - US)

Citation (search report)

- [XA] US 2002001257 A1 20020103 - KOCH RETO [CH]
- [XA] US 6109781 A 20000829 - OGASAWARA TOSHIYUKI [JP], et al
- [A] EP 0386354 A1 19900912 - BRIGGS LESLIE GEORGE [GB], et al
- [A] DE 3838530 A1 19900517 - HILTI AG [LI]

Cited by

WO2016092359A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1671696 A2 20060621; **EP 1671696 A3 20060628**; **EP 1671696 B1 20080312**; AT E388755 T1 20080315; CN 100586544 C 20100203; CN 1803268 A 20060719; DE 102004060621 A1 20060706; DE 102004060621 B4 20090430; ES 2299965 T3 20080601; JP 2006167718 A 20060629; JP 4865320 B2 20120201; US 2006133197 A1 20060622

DOCDB simple family (application)

EP 05111405 A 20051129; AT 05111405 T 20051129; CN 200510129637 A 20051213; DE 102004060621 A 20041216; ES 05111405 T 20051129; JP 2005363211 A 20051216; US 30201905 A 20051212