

Title (en)

Static mixer for the treatment of exhaust gases and manufacturing method thereof

Title (de)

Statischer Mischer zur behandlung von Abgas und Verfahren zur dessen Herstellung

Title (fr)

Mixeur statique pour gaz d'échappement et son procédé de fabrication

Publication

EP 2476877 A1 20120718 (EN)

Application

EP 11194926 A 20111221

Priority

IT TO20101057 A 20101223

Abstract (en)

A static mixer (11) for the treatment of exhaust gases, including an annular support portion (13) and a plurality of radial vanes (15), which are radially arranged and have the rear ends (17) associated with said support portion (13) and the front ends (19) converging towards the centre ("C") of the mixer, wherein the vanes (15) have a shape twisted around the longitudinal axis ("R") of the vanes.

IPC 8 full level

F01N 3/28 (2006.01)

CPC (source: EP US)

B01F 25/4314 (2022.01 - EP US); **B01F 25/4315** (2022.01 - EP); **B01F 25/431974** (2022.01 - EP); **F01N 3/2892** (2013.01 - EP); **B01F 2215/0422** (2013.01 - EP); **F01N 2240/20** (2013.01 - EP)

Citation (applicant)

- US 2007204751 A1 20070906 - WIRTH GEORG [DE], et al
- US 7533520 B2 20090519 - CHENG C RAYMOND [US], et al
- US 2009320453 A1 20091231 - SALANTA GABRIEL [US], et al
- US 2009266064 A1 20091029 - ZHENG GUANYU [US], et al

Citation (search report)

- [X] DE 3536315 A1 19870416 - SUEDEDEUTSCHE KUEHLER BEHR [DE]
- [X] FR 2937692 A3 20100430 - RENAULT SAS [FR]
- [X] EP 2022956 A2 20090211 - EBERSPAECHER J GMBH & CO [DE]

Cited by

JP2016079962A; GB2550173A; CN112246102A; CN108167051A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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