

Title (en)

Inlet flange of a curved conduit from an exhaust manifold and an internal combustion engine with such a flange

Title (de)

Eingangsflansch eines gebogenen Rohres eines Abgaskrümmers und Brennkraftmaschine mit einem solchen Flansch

Title (fr)

Bride d'entrée d'un conduit coudé d'un collecteur d'échappement et moteur à combustion interne comprenant une telle bride

Publication

**EP 1780386 A1 20070502 (FR)**

Application

**EP 06301061 A 20061019**

Priority

FR 0510931 A 20051026

Abstract (en)

The flange (20) has a central orifice for receiving an end of a curved conduit (11) in a direction of flow of exhaust gas, and a base (21) surmounted around the central orifice around which a massive part (22) is provided. The massive part has height varying in a median plane of the conduit between a maximum height of an inner side of the conduit and a minimal height of an outer side of the conduit. Two stiffening ribs (23, 24) are positioned on both sides of a housing (25) in the flange.

IPC 8 full level

**F01N 13/10** (2010.01); **F01N 13/18** (2010.01)

CPC (source: EP)

**F01N 13/10** (2013.01); **F01N 13/1805** (2013.01); **F01N 13/1838** (2013.01); **F01N 2260/10** (2013.01); **F01N 2260/18** (2013.01)

Citation (search report)

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- [A] DE 10034365 A1 20011220 - ZEUNA STAERKER KG [DE]
- [A] EP 1571305 A1 20050907 - BENTELER AUTOMOBILTECHNIK GMBH [DE]

Cited by

CN109382159A; US10513983B2; WO2015048374A1

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1780386 A1 20070502**; **EP 1780386 B1 20080813**; AT E404782 T1 20080815; DE 602006002220 D1 20080925; FR 2892450 A1 20070427; FR 2892450 B1 20071228

DOCDB simple family (application)

**EP 06301061 A 20061019**; AT 06301061 T 20061019; DE 602006002220 T 20061019; FR 0510931 A 20051026