

Title (en)

EXHAUST GAS TURBOCHARGER, MOTOR VEHICLE, AND METHOD FOR ASSEMBLING AN EXHAUST GAS TURBOCHARGER

Title (de)

ABGASTURBOLADER, KRAFTFAHRZEUG UND VERFAHREN ZUR MONTAGE EINES ABGASTURBOLADERS

Title (fr)

TURBOCOMPRESSEUR, VÉHICULE À MOTEUR ET PROCÉDÉ DE MONTAGE D'UN TURBOCOMPRESSEUR

Publication

EP 2499340 A2 20120919 (DE)

Application

EP 10771717 A 20101022

Priority

- DE 102009052961 A 20091112
- EP 2010065973 W 20101022

Abstract (en)

[origin: WO2011057888A2] The invention relates to an exhaust gas turbocharger (1), in particular for an internal combustion engine (2) of a motor vehicle, having a bearing housing (3) for supporting an impeller shaft (4); having a compressor housing (5) for receiving a compressor disc (6); having a clamping device (10) comprising a first arm section (11) and an engagement section (12), wherein the first arm section (11) contacts a surface (7) of the bearing housing (3) at least in sections, and having a counter-clamping device (20) comprising a head segment (21) and a counter-engagement section (22), wherein the head section (21) contacts a first surface (8) of the compressor housing (5) at least in sections, and wherein the counter-engagement section (22) can be brought into form-fit contact with the engagement section (12), such that the bearing housing (3) and the compressor housing (5) are connected to each other by means of a force fit. The invention further relates to a motor vehicle and to a method for assembling such an exhaust gas turbocharger ().

IPC 8 full level

F01D 25/24 (2006.01); **F02C 6/12** (2006.01)

CPC (source: EP US)

F01D 25/243 (2013.01 - EP US); **F05B 2260/301** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2230/60** (2013.01 - EP US); **Y10T 29/49904** (2015.01 - EP US); **Y10T 29/49948** (2015.01 - EP US)

Citation (search report)

See references of WO 2011057888A2

Cited by

US11486296B2; EP3926148A1

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

DOCDB simple family (publication)

DE 102009052961 A1 20110519; CN 102597428 A 20120718; CN 102597428 B 20160210; EP 2499340 A2 20120919; EP 2499340 B1 20180815; US 2012227398 A1 20120913; WO 2011057888 A2 20110519; WO 2011057888 A3 20111020

DOCDB simple family (application)

DE 102009052961 A 20091112; CN 201080051160 A 20101022; EP 10771717 A 20101022; EP 2010065973 W 20101022; US 201013509512 A 20101022