

Title (en)
HOUSING FASTENING METHOD

Title (de)
GEHÄUSEBEFESTIGUNGSVERFAHREN

Title (fr)
PROCÉDÉ DE FIXATION DE CARTER

Publication
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Application
EP 08791296 A 20080717

Priority
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Abstract (en)
[origin: EP2233719A1] An object of the present invention is to provide, by contriving a housing structure, a housing fastening method and turbocharger capable of keeping down a reduction in fastening force applied by a G-coupling even when housings are exposed to high temperature. The present invention provides a turbocharger comprising a turbine 1 including a bladed rotor 1a rotated by a fluid supplied thereto, a compressor 2 including an O impeller 2a for drawing in air, connected with the bladed rotor 1a by a rotating shaft 3a, a turbine housing 1b constituting an outer shape of the turbine 1, and a bearing housing 3 rotatably supporting the rotating shaft 3a, a projecting portion 3b of the bearing housing 3 being inserted in a recessed portion 1c of the turbine housing 1b such that an end face 3c of the projecting portion 3b butts against a step portion 1d of the recessed portion 1c serving as a stopper face, a flange portion 1e around the recessed portion 1c and a flange portion 3d around the projecting portion 3b being fastened together by an annular fastener positioned outside, wherein the shapes of the recessed portion 1c and the projecting portion 3b are determined by regulating the axial position of the stopper face of the step portion 1d.

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Citation (search report)
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