

Title (en)

ARRANGEMENT FOR FIXING THE EXHAUST DEVICE TO THE EXHAUST MANIFOLD OF AN INTERNAL-COMBUSTION ENGINE

Publication

EP 0318457 B1 19910821 (DE)

Application

EP 88890284 A 19881111

Priority

AT 308687 A 19871124

Abstract (en)

[origin: JPH01167407A] PURPOSE: To prevent metal bellows from damage by disposing six axial vibration dampers around the metal bellows. CONSTITUTION: A holder 3 for holding an exhaust gas turbine is connected to exhaust gas manifolds 1 by metal bellows 4. Six axial vibration dampers 6a, 6b are disposed around the metal bellows 4. The axes of the three axial vibration dampers 6a are arranged in the same plane, and the axes of the other three damper 6b are arrange as extending parallel to each other and intersecting said plane. As a consequence, the damage to the metal bellows can be prevented even if a great dynamic force is generated by the exhaust gas turbine.

IPC 1-7

F01N 7/08; F02B 67/00

IPC 8 full level

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CPC (source: EP US)

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Cited by

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EP 0318457 A1 19890531; EP 0318457 B1 19910821; CA 1302900 C 19920609; DE 3838707 A1 19890608; GB 2212858 A 19890802; GB 2212858 B 19910626; GB 8827444 D0 19881229; JP H01167407 A 19890703; JP H0240851 B2 19900913; SU 1706397 A3 19920115; US 4860852 A 19890829; YU 215588 A 19900831

DOCDB simple family (application)

EP 88890284 A 19881111; CA 583845 A 19881123; DE 3838707 A 19881115; GB 8827444 A 19881124; JP 29377888 A 19881122; SU 4356940 A 19881123; US 27111988 A 19881114; YU 215588 A 19881123