

Title (en)
Compressor with its drive unit and adjustable aerodynamic geometry

Title (de)
Verdichter mit Antrieb und verstellbarer, aerodynamischer Geometrie

Title (fr)
Groupe motocompresseur à profil aérodynamique variable

Publication
EP 2472126 B1 20140319 (FR)

Application
EP 11195670 A 20111223

Priority
FR 1061391 A 20101231

Abstract (en)
[origin: EP2472126A1] The motor-compressor has a motor for rotating a rotor, and a compression stage comprising a set of paddle wheels (4) mounted on a driven shaft driven in rotation by the rotor. An assembly comprising the motor and a compressor is mounted in a common housing sealed to gas manipulated by the motor-compressor. The compression stage includes an adjusting element i.e. blade (13), for adjusting flowing angle of gas towards or from the wheels of the stage. The stage has a control motor (16) for controlling the adjusting element mounted in the housing.

IPC 8 full level
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CPC (source: EP US)
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