

Title (en)

DEVICE FOR ACCELERATING A TURBOCHARGING UNIT AT LOW SPEEDS OF A RECIPROCATING ENGINE AND RECIPROCATING ENGINE COMPRISING SAME

Title (de)

VORRICHTUNG ZUR BESCHLEUNIGUNG EINER TURBOLADEREINHEIT BEI NIEDRIGEN DREHZAHLEN EINER KOLBENMASCHINE UND DIESE UMFASSENDE KOLBENMASCHINE

Title (fr)

DISPOSITIF D'ACCELERATION D'UN GROUPE DE TURBOCOMPRESSION AUX BAS REGIMES D'UN MOTEUR ALTERNATIF ET MOTEUR ALTERNATIF COMPORTANT UN TEL DISPOSITIF

Publication

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Application

**EP 06726100 A 20060317**

Priority

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Abstract (en)

[origin: WO2006100370A2] The invention concerns a device for accelerating a turbocharging unit at low speeds of a reciprocating engine (1) operating in accordance with a four-stroke cycle and comprising at least one cylinder (1a) equipped with at least one intake valve (2) connected to an intake manifold (3) and with at least one exhaust valve (4) connected to an exhaust manifold (5), said turbocharging unit comprising at least one turbocharger (10) including an air compressor (11) feeding the intake manifold (3) and a radial turbine (12) fed by the exhaust manifold (5) and driving the compressor (11). The device comprises an aerodynamic ejector (20) drawing a propellant stream on the exhaust gases of the engine (1) and a stream driven on the air delivered by the compressor (11) and forming a mixed stream which feeds the turbine (12) of the turbocharging unit.

IPC 8 full level

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