

Title (en)

ARRANGEMENT FOR SUPPLYING FRESH GAS TO A TURBOCHARGED INTERNAL COMBUSTION ENGINE AND METHOD FOR CONTROLLING THE ARRANGEMENT

Title (de)

ANORDNUNG ZUR FRISCHGASVERSORGUNG EINER TURBOAUFGEADENEN VERBRENNUNGSMASCHINE UND VERFAHREN ZUM STEUERN DER ANORDNUNG

Title (fr)

SYSTÈME D'ALIMENTATION EN GAZ FRAIS UN MOTEUR À COMBUSTION INTERNE À TURBOCOMPRESSEUR ET PROCÉDÉ DE COMMANDE DU SYSTÈME

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2010031561A1] An arrangement for supplying fresh gas to a turbocharged internal combustion engine (1) having an intake line (14) and an exhaust gas line (15), comprising: an exhaust gas turbocharger (2) having at least one compressor impeller (4) for compressing fresh gas and feeding the compressed fresh gas to the internal combustion engine (1), and having at least one drive impeller (5) for driving the internal combustion engine (1) with exhaust gas for driving the compressor impeller (4); and a compressed air supply system (7) for the controlled supply of compressed fresh gas or compressed air to the internal combustion engine (1), wherein the compressed air supply system (7) is connected via a charge air intake (10) to the compressor impeller (4), via an outlet (13) to the intake line (14) and via a compressed air inlet (11) to a compressed air source, wherein the at least one compressor impeller (4) of the exhaust gas turbocharger (2) is composed completely or partially of steel or an steel alloy.

IPC 8 full level

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Citation (search report)

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