Title (en)
METHOD OF MEASURING AMBIENT PRESSURE IN A TURBOCHARGED ENGINE

Title (de)
UMGEBUNGSDRUCKMESSUNG IN EINER TURBOBRENNKRAFTMASCHINE

Title (fr)
MESURE DE LA PRESSION AMBIANTE DANS UN MOTEUR TURBOCOMPRESSE

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Application
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Abstract (en)
[origin: WO2004085811A1] The invention relates to a method of determining the ambient pressure which is performed in a turbocharged engine comprising a throttle which is disposed between a heat exchange chamber, known as an intercooler, and an intake manifold. In addition, a compressor is provided in order to compress the air in the heat exchange chamber, and the engine is equipped with means for indicating the pressure in said chamber. The inventive method comprises the following steps consisting in: detecting the opening of the throttle; measuring the pressure (MAP_UP) in the heat exchange chamber; and determining the ambient pressure (AMP) by measuring the pressure (MAP_UP) in the heat exchange chamber at a pre-determined moment which is defined in relation to a characteristic point of the curve (24) representing the pressure (MAP_UP) in the heat exchange chamber as a function of time, the ambient pressure (AMP) being equal to the pressure measured in the heat exchange chamber.

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