

Title (en)
METHOD FOR DETERMINING A PRESSURE UPSTREAM OF A COMPRESSOR FOR AN INTERNAL COMBUSTION ENGINE WITH TWIN TURBOCHARGING

Title (de)
VERFAHREN ZUR BESTIMMUNG EINES DRUCKS STROMAUFWÄRTS EINES VERDICHTERS FÜR EINEN VERBRENNUNGSMOTOR MIT DOPPELTER TURBOLADUNG

Title (fr)
PROCEDE DE DETERMINATION D'UNE PRESSION EN AMONT D'UN COMPRESSEUR POUR UN MOTEUR A COMBUSTION INTERNE EQUIPE D'UNE DOUBLE SURALIMENTATION

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Application
EP 13762169 A 20130812

Priority
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Abstract (en)
[origin: WO2014041272A1] The invention relates to a method for determining the pressure P avcm upstream of a mechanical compressor (3) forming part of a twin turbocharging circuit of a heat engine. The pressure is determined using a dynamic model based on a law of conservation of flow rates in the volume upstream of the mechanical compressor. The model links the pressure P avcm upstream of the mechanical compressor (3) at a temperature T avcm upstream of the mechanical compressor (3), to a supercharging pressure P sural and temperature T sural at the intake of the engine, as well as the bypass opening of the bypass valve (4).

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Citation (search report)
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