

Title (en)

METHOD FOR ESTIMATING THE POLLUTANT EMISSIONS OF AN INTERNAL COMBUSTION ENGINE AND RELATED METHOD FOR CONTROLLING THE ENGINE

Title (de)

VERFAHREN ZUR MESSUNG DES SCHADSTOFFAUSSTOSSES EINES VERBRENNUNGSMOTORS UND VERFAHREN ZUR STEUERUNG DES MOTORS

Title (fr)

PROCÉDÉ D'ESTIMATION DES ÉMISSIONS POLLUANTES D'UN MOTEUR À COMBUSTION INTERNE ET PROCÉDÉ ASSOCIÉ DE PILOTAGE DU MOTEUR

Publication

**EP 3004608 A1 20160413 (FR)**

Application

**EP 14731713 A 20140523**

Priority

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Abstract (en)

[origin: WO2014191665A1] The invention relates to a method for managing an internal combustion engine (1), which involves estimating at least one value (Pollut) of emission of a pollutant species by means of engine parameters other than the gas pressure in the cylinders (6) of the engine (1), at least one first value of pollutant emissions being calculated as the product of a first affine function of fuel consumption (Qcarb), a second affine function of the spark advance function ( $\phi$ ) of the engine, a third affine function of the temperature (T) of the coolant of the engine, and a negative exponential term of a power of the richness (R) of the comburent mixture in the cylinders (6) of the engine.

IPC 8 full level

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See references of WO 2014191665A1

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