

Title (en)
ATMOSPHERIC PRESSURE DETECTOR OF INTERNAL COMBUSTION ENGINE

Title (de)
DETEKTOR EINER BRENNKRAFTMASCHINE ZUR ERFASSUNG VON ATMOSPHERISCHEM DRUCK

Title (fr)
DETECTEUR DE PRESSION ATMOSPHERIQUE POUR MOTEUR A COMBUSTION INTERNE

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Application
EP 02779903 A 20021003

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Abstract (en)
Intake pressures P_{Mi} are detected at each crank angle position of 30 DEG Δ DEG CA (Crank Angle) after an internal combustion engine 1 is started, and the intake pressures P_{Mi} are smoothed according to transition conditions thereof so as to be obtained as an atmospheric pressure. As this occurs, the plurality of intake pressures P_{Mi} are smoothed provided that a difference DELTA PM between the maximum PMMAX and minimum PMMIN of the plurality of intake pressures P_{Mi} is small enough to fall within a predetermined value. As an atmospheric pressure, when intake pressures P_{Mi} are stable, can be obtained by the plurality of samplings at the crank angle positions, the reliability of an atmospheric pressure detector for an internal combustion engine can be increased. <IMAGE>

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Cited by
US2013245916A1; EP2644881A3; FR3128490A1; EP2011983A1; FR3089256A1; FR3089257A1; US9347417B2; US7801691B2; US11415072B2; WO2020115098A1; EP3825539A4; WO2023072565A1

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