

Title (en)

DEVICE FOR DETERMINING AT LEAST ONE PARAMETER OF A MEDIUM FLOWING IN A LINE

Title (de)

VORRICHTUNG ZUR BESTIMMUNG WENIGSTENS EINES PARAMETERS EINES IN EINER LEITUNG STRÖMENDEN MEDIUMS

Title (fr)

DISPOSITIF POUR DETERMINER AU MOINS UN PARAMETRE D'UN MILIEU S'ECOULANT DANS UNE CONDUITE

Publication

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Application

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Abstract (en)

[origin: WO2004031701A1] The invention relates to a device for determining at least one parameter of a medium flowing in a line (3), in particular the mass of intake air for an internal combustion engine, comprising a piece (6) with at least one measuring channel (30) for the throughput of at least a partial stream of the medium flowing through the line in a main flow direction (18) and which may be introduced into the line (3) with a given alignment with relation to the main flow direction and at least one measuring element (9), arranged in the measuring channel, for determination of the at least one parameter. According to the invention, a channel structure is embodied in the piece (6), with an inlet region (27) for the inlet of a partial stream of the medium and a measuring channel (30), branching off from the inlet region (27). The inlet region (27) comprises a separation zone (28) with a separation opening (33) and at least two projections (51, 52) extend into the inlet region (27) from opposing internal walls (37, 38) of the inlet region (27).

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