

Title (en)

MEASURING DEVICE IN A RADIOFREQUENCY IGNITION SYSTEM FOR INTERNAL COMBUSTION ENGINE

Title (de)

MESSVORRICHTUNG IN EINEM FUNKFREQUENZENTZÜNDUNGSSYSTEM FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

DISPOSITIF DE MESURE DANS UN SYSTEME D'ALLUMAGE RADIOFREQUENCE POUR UN MOTEUR A COMBUSTION INTERNE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008155496A1] The invention relates to a measuring device characterised in that it comprises: a supply circuit (2) for radiofrequency ignition including a transformer (T) having a secondary winding (LN) connected to at least one resonator (1) having a resonance frequency higher than 1 MHz, and including two electrodes (11, 12) capable of generating a spark upon an ignition control; a measuring capacitor (Cmesure) connected in series between the secondary winding and the resonator; a measuring circuit (DIFF) of the ionisation current (Iion) of the combustion gases in a cylinder of the internal combustion engine associated with the resonator, said circuit being connected at the terminals of the measuring capacitor; and/or a measuring circuit (RED) for measuring the voltage (Vout) at the resonator terminals upon an ignition control, said circuit being connected to the terminals of the measuring capacitor.

IPC 8 full level

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