

Title (en)

A radio-frequency-noise-suppressive ignition system for an automotive vehicle's engine.

Title (de)

Brennkraftmaschine mit H.F.-Störstrahlungsunterdrückungs-Zündsystem.

Title (fr)

Dispositif d'antiparasitage H.F. pour moteur de véhicule automobile.

Publication

EP 0096353 A2 19831221 (EN)

Application

EP 83105401 A 19830531

Priority

JP 9405882 A 19820603

Abstract (en)

A radio-frequency-noise-suppressive ignition system for an automotive vehicle's engine, comprising a plurality of spark plugs (1) each installed within a corresponding engine cylinder having an elongated monolithic resistor (7) equal to or more than eight millimeter long, noise suppressive resistance-contained high-tension cables (13), one of which being connected between a secondary winding of an ignition coil (27) and distributor (24), the others of which being connected between a plurality of fixed electrodes (17) of the distributor (24) and respective spark plugs (1), the distributor (24) having a rotor (22) electrically connected to a center electrode (16) via a contactor (19) made of a high-resistance material which is connected to the secondary winding of the ignition coil (27), the rotor (22) including a rotor electrode (21) having a discharge gap (20) against each of the fixed electrodes (17) and a dielectric material (25) preferably made of silicone glass secured to a portion of at least one of the top and bottom surface areas of the rotor electrode (21), and a resistance material (29) provided at an intermediate part of the rotor electrode (21) between one end of the rotor electrode (21) which is connected to the contactor (19) and the portion of the rotor electrode (21) to which the dielectric material (25) is secured.

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