

Title (en)
IGNITION AND INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES

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Application
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Abstract (en)
[origin: WO8802817A1] In an injection system for internal combustion engines, a phase sensor synchronously driven with the ignition distributor, in particular a Hall shutter, has several shutter sections, one of which is enlarged and indicates the beginning of an ignition or injection cycle in emergencies. The sections generate phase pulses of corresponding lengths, at the beginning of which the ignition coil is charged until the trailing edge is reached and ignition occurs. The trailing edge of each phase pulse can be reached for example 10 DEG before the top dead centre of the corresponding cylinder. An emergency igniting function can thus be obtained in a simple manner and, in the event of a breakdown, ignition can be initiated more rapidly.

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