

Title (en)

PROCESS FOR CONTROLLING IGNITION IN AN INTERNAL COMBUSTION ENGINE.

Title (de)

VERFAHREN ZUR STEUERUNG DER ZÜNDUNG EINER BRENNKRAFTMASCHINE.

Title (fr)

PROCEDE DE COMMANDE DE L'ALLUMAGE D'UN MOTEUR A COMBUSTION INTERNE.

Publication

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Application

**EP 89912393 A 19891115**

Priority

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Abstract (en)

[origin: WO9007057A1] Process for controlling ignition in an internal combustion engine, in which the ignition of a spark plug is determined by an ignition coil associated with each spark plug, and by a first counter which, when a reference mark independent of the angle is reached, counts up or down from a predetermined value, by means of a timing signal dependent on the angle, in order to trigger the ignition of a spark plug of the internal combustion engine. The spark plug to be ignited is determined by a cylinder identification device. The process is characterized in that the moment at which charging of all ignition coils of the internal combustion engine begins is determined by means of a single additional counter whose tally varies in function of the angle-dependent timing signal and to which a starting value corresponding to the interval until the start of charging of the next coil is pre-assigned. Hence, while the first counter triggers the ignition process, the second counter determines the moment at which the charging process of an ignition coil begins.

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