

Title (en)

METHOD AND DEVICE FOR OPERATING THE DRIVE TO INTERNAL-COMBUSTION ENGINE AUXILIARIES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETREIBEN EINES AN EINER BRENNKRAFTMASCHINE ANGEORDNETEN NEBENAGGREGATEANTRIEBES

Title (fr)

PROCEDE ET DISPOSITIF DE COMMANDE DE L'ENTRAINEMENT DE GROUPE AUXILIAIRES DISPOSE SUR UN MOTEUR A COMBUSTION INTERNE

Publication

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Application

EP 92924692 A 19921208

Priority

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- EP 9202837 W 19921208

Abstract (en)

[origin: DE4200918C1] The invention concerns a differential gear (3) driven by the crankshaft (1) of an internal-combustion engine and which distributes the drive torque as a function of the number of teeth on the differential gear (3) to engine auxiliaries (7, 11) driven by this differential gear (3). An exciter current (IE) fed to an auxiliary (three-phase alternator 7) is regulated as a function of load and/or cooling-water signals (SL, ST), and the drive torque (ML) to the alternator (7) varied accordingly. In order to maintain a constant alternator voltage (UB) the rotational speed (NL) of the alternator (7) is varied as is, by means of the differential gear (3), the rotational speed of another auxiliary (water pump 11). The cooling capacity of the engine can thus be controlled as a function of the cooling or load requirements.

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