Title (en)

SYSTEME DE COMMANDE EN COUPLE D'UNE MOTORISATION HYBRIDE PARALLELE

Title (de)

DREHMOMENTSTEUERUNG EINES PARALLELEN HYBRID-ANTRIEBSSTRANGS

Title (fr)

SYSTEME DE COMMANDE EN COUPLE D'UNE MOTORISATION HYBRIDE PARALLELE

Publication

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Application

EP 00966240 A 20000929

Priority

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- FR 9912300 A 19991001

Abstract (en)

[origin: FR2799159A1] The system monitors the torque demanded in order to determine the optimum source of this power from electric and thermal engines. The system includes a parallel hybrid drive for a motor vehicle, comprising an electric motor (1) and a thermal engine (2) both linked in rotation to a mechanical drive train (3). This allows the motors to provide power selectively to the vehicle wheels (4). The control includes a number of blocks for managing the demand for torque, controlled by a block determining the operating conditions of the vehicle (8), and a block (10) determining the couple received and receiving information from other monitoring blocks (6,7,12). A further system determines the status of the alternator-starter (9), in order to control the couple provided by both the electric motor and the thermal motor, optimizing the performance compromise between performance and efficiency.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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