

Title (en)

HYBRID ELECTRIC VEHICLE WITH ELECTRIC MOTOR PROVIDING STRATEGIC POWER ASSIST TO LOAD BALANCE INTERNAL COMBUSTION ENGINE

Title (de)

ELEKTRISCHES HYBRIDFAHRZEUG MIT ELEKTROMOTOR ZUR BEREITSTELLUNG VON ZUSATZLEISTUNG FÜR DEN LASTAUSGLEICH EINER BRENNKRAFTMASCHINE

Title (fr)

VEHICULE ELECTRIQUE HYBRIDE COMPORTANT UN MOTEUR ELECTRIQUE COMMANDE STRATEGIQUEMENT POUR EQUILIBRER LA CHARGE DU MOTEUR A COMBUSTION INTERNE

Publication

EP 0930982 A1 19990728 (EN)

Application

EP 97912677 A 19971017

Priority

- US 9718182 W 19971017
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Abstract (en)

[origin: WO9817494A1] A new parallel hybrid electric vehicle design delivers smooth, high power performance while decreasing harmful exhaust emissions and maximizing fuel economy. An electric motor strategically assists the internal combustion engine. This arrangement can increase driveability and make for a very smooth driving vehicle. Decreased emissions are realized by helping the engine to run in a fashion which inherently minimizes emissions. Fuel economy is significantly enhanced by efficiently producing power needed to make the car meet the demands of the driver while leveling the load demands placed on the internal combustion engine. When the internal combustion engine is operating very efficiently under light loading or deceleration, the power source is charged as the motor turns into a generator.

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B60K 41/00; B60K 6/04

IPC 8 full level

B60K 6/04 (2006.01); **B60K 6/48** (2007.10); **B60W 10/08** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 9817494A1

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