

Title (en)

DEVICE FOR GENERATING ELECTRICAL ENERGY FOR AN AGRICULTURAL OR INDUSTRIAL COMMERCIAL VEHICLE

Title (de)

VORRICHTUNG ZUM ERZEUGEN ELEKTRISCHER ENERGIE FÜR EIN LANDWIRTSCHAFTLICHES ODER INDUSTRIELLES NUTZFAHRZEUG

Title (fr)

DISPOSITIF DESTINE A PRODUIRE DE L'ENERGIE ELECTRIQUE POUR UN VEHICULE UTILITAIRE INDUSTRIEL OU AGRICOLE

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Application

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Abstract (en)

[origin: WO2006045692A1] The invention relates to a device for generating electrical energy for an agricultural or industrial commercial vehicle, comprising an electrical machine (18) which may be operated as a generator, which may be mechanically driven by an internal combustion engine (12) on the vehicle and which comprises a stator (22) and a rotor (20). A mechanical torque generated by the internal combustion engine (12) may be transmitted by a shaft (14, 38) to a gearbox (40) on the vehicle. The rotor (20) of the electrical machine (18) is fixed to a flywheel (16) or an output shaft (14) of the internal combustion engine (12). The rotor (20) has a hollow armature embodiment and the shaft (14, 26, 38) runs through the rotor (20). A damper (26) is provided between the internal combustion engine (12) and gearbox (40) for damping mechanical torque variations.

IPC 8 full level

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