Title (en)

AUXILIARY GENERATOR SET WITH VARIABLE TRANSMISSION FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

ELEKTRISCHES NEBENAGGREGAT MIT VARIABLER GETRIEBEÜBERSETZUNG FÜR EINE KRAFTFAHRZEUG-BRENNKRAFTMASCHINE

Title (fr)

GROUPE AUXILIAIRE ELECTRIQUE A TRANSMISSION VARIABLE POUR MOTEUR A COMBUSTION INTERNE

Publication

EP 0980320 A1 20000223 (DE)

Application

EP 98932047 A 19980504

Priority

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- DE 19719213 A 19970509
- DE 19748045 A 19971030

Abstract (en)

[origin: US6425839B1] An electrical machine apparatus for starting an internal combustion engine and supplying voltage to an on-board electrical system of a motor vehicle having a main gear, includes an electrical machine, a planetary gear through which the electrical machine is coupleable to the engine, the electrical machine being switchable over from a motor mode to a generator mode, the gear being switchable over for adjusting an rpm of the electrical machine, the electrical machine being coupleable to a drive train of the engine via the gear so that for synchronizing the main gear, speed-changing stages in the gear and thus a moment of mass inertia of the electric machine are selectable in accordance with a desired rpm adaptation of the drive train.

IPC 1-7 (main, further and additional classification)

B60K 25/02; F02N 11/04

IPC 8 full level (invention and additional information)

B60K 25/02 (2006.01); **F02N 11/04** (2006.01); **F02N 15/02** (2006.01); **H02K 7/116** (2006.01)

CPC (invention and additional information)

H02K 7/116 (2013.01); **F02N 11/04** (2013.01)

Citation (search report)

See references of WO 9851524A1

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