

Title (en)
FLYWHEELSTARTER/GENERATOR FOR I.C.-ENGINES

Title (de)
SCHWUNGRADSTARTER/GENERATOR

Title (fr)
MOTEUR-DEMARREUR-VOLANT POUR MOTEURS A COMBUSTION INTERNE

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Application
EP 99954488 A 19991008

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Abstract (en)
[origin: WO0052329A2] This invention relates to an electric machine which may act as a (flywheel)-starter-motor, and/or a generator for internal-combustion-engines (called i.c.engines or engines hereafter). A planetary gear/brake/clutch arrangement offers two gear-speeds and a freewheel. Thanks to the freewheel-mode, the machine may be permanently connected to the i.c.engine and is therefore perfectly suited for turbo-compounding, offering a fast shaft to combine an exhaust-turbine with a, preferably, non-turbo compressor. The invention moreover relates to the various practical forms, matching control-devices and auxiliaries which enable the machine to be used in a number of different applications. The electric configuration of the machines used, may differ, depending on the application.

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