

Title (en)

AN ACTIVE RECTIFIER FOR PERMANENT MAGNET GENERATORS AND METHOD FOR GENERATING ELECTRIC ENERGY

Title (de)

AKTIVER GLEICHRICHTER FÜR PERMANENTMAGNETGENERATOREN UND VERFAHREN ZUR STROMERZEUGUNG

Title (fr)

REDRESSEUR ACTIF POUR GÉNÉRATEURS À AIMANT PERMANENT ET PROCÉDÉ DE GÉNÉRATION D'ÉNERGIE ÉLECTRIQUE

Publication

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Application

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Abstract (en)

[origin: WO2010126408A1] The invention relates to a device for generating electric energy, It includes a synchronous generator with permanent magnets. The rotor is connected to a mechanical power source of varying velocity. The device has electric connection means connecting the stator winding to a DC-connection (5) of substantially constant DC-level, The connection means includes a rectifier means (42), a capacitor (44) and pulse generating means (43) arranged to intermittently supply the current generated in the stator winding to the DC-connection (5). According to the invention, the pulse generating means (43) includes a repetitive switch (43) connected in parallel with each phase winding of the stator winding (23), The invention also relates to a method for generating electric energy.

IPC 8 full level

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Citation (search report)

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- [A] US 2003071467 A1 20030417 - CALLEY DAVID GREGORY [US], et al
- See references of WO 2010126408A1

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