

Title (en)
TURBOGENERATOR

Title (de)
TURBOGENERATOR

Title (fr)
TURBOALTERNATEUR

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Application
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Abstract (en)
[origin: WO2008095779A1] The invention relates to a turbogenerator (10) comprising a rotor (11), which has a cylindrical rotor body (13), which on the two ends transitions in a shaft end (14) and in a center section comprises the electromagnetically active region (23) of the rotor (11), wherein the rotor (11) is made of a plurality of rotor parts, which are disposed behind each other in the rotor axis (19) and are connected to one another. With such a rotor, lower losses and temperatures in the face region of the rotor, and overall higher maximum capacities and/or an expanded performance range, are possible in that the rotor body (13) in the active region (23) is made of an easily magnetizable material, particularly a first steel, and that the end sections of the rotor body (13) located outside the active region (23) and the shaft ends (14) are made of a material with reduced magnetizability or a nonmagnetic material, particularly a second steel.

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