

Title (en)
ELECTRIC DC GENERATOR

Title (de)
ELEKTRISCHE GLEICHSTROM-MASCHINE

Title (fr)
GENERATRICE DE COURANT CONTINU ELECTRIQUE

Publication
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Application
EP 00910728 A 20000228

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Abstract (en)
[origin: WO0054396A1] The invention relates to an electric DC generator (10) with a rotor (26) that is rotatably mounted in a housing (12) and that has a plurality of electromagnets arranged at a distance to the rotational axis with respective coil windings (34) on a coil core (32) that carries one or more electric conductors. The ends of the electric conductors that represent the coil are electroconductively linked with contact elements that in their totality represent a first commutator (18a). Said contact elements are provided with one contact surface each and sliding contacts are impressed on said surfaces that can be connected to a DC source or a DC consumer. The first and the second commutator (18a, 18b) are arranged on the rotor shaft (24) in an axial direction to the rotor (26) and axially set off from one another in such a manner that their contact surfaces allocated to the sliding contacts (42; 50) lie one beside the other on cylindrical coat surfaces extending radially outwards. The width of the sliding contacts across the axial direction is selected in such a manner that they are at the same time pressed onto the contact surfaces of the two commutators (18a; 18b) that are adjacent in the axial direction.

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Citation (search report)
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Cited by
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