

Title (en)

ASSEMBLY OF A SLIP RINGS ONTO A SHAFT, ROTOR COMPRISING SUCH AN ASSEMBLY AND ELECTRIC MACHINE COMPRISING SUCH A ROTOR

Title (de)

EINHET AUS LEITRINGEN MIT EINER WELLE, ROTOR MIT SOLCH EINER EINHEIT UND MASCHINE MIT EINEM DERARTIGEN ROTOR

Title (fr)

ASSEMBLAGE D'UN COLLECTEUR SUR UN ARBRE D'UN ROTOR, ROTOR COMPRENANT UN TEL ASSEMBLAGE ET MACHINE ELECTRIQUE TOURNANTE COMPRENANT UN TEL ROTOR.

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Application

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Abstract (en)

[origin: WO2012066218A2] The method of assembly according to the invention involves force-fitting a commutator (3) onto the shaft (2) of a rotor. This force-fitting is over an externally knurled part (6) of one end (4) of the shaft. According to the invention, this force-fitting is performed in such a way that the externally knurled part remains located on the outside of a first portion (A) of the commutator supporting the slip rings (8). According to another feature, an internally knurled part (9) of the commutator, situated essentially on the outside of the first portion (A), is force-fitted over an externally plain part (7) of the end of the shaft. The invention has the notable advantage of allowing longer brush life. The invention is particularly well suited to applications to a motor vehicle alternator or alternator-starter.

IPC 8 full level

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US 4476410 A 19841009 - WOLCOTT JOHN H [US]

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