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[Continued on nextpage]

(54) **Title:** ELECTRIC MOTOR

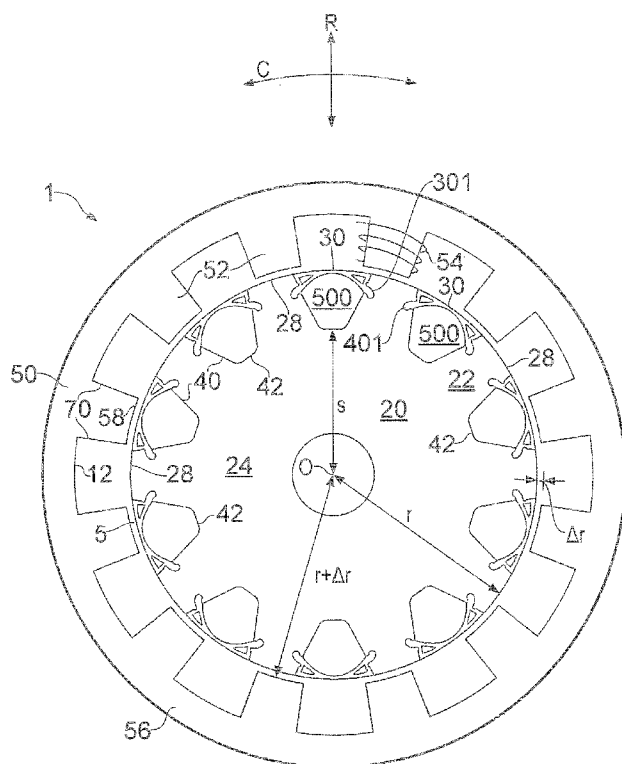


FIG. 8

(57) **Abstract:** An electric motor (1) having a rotor assembly (20) and a stator assembly (50) of the type in which pieces of non-magnetic material are arranged in the space between adjacent rotor teeth (22) in order to suppress windage. The non-magnetic pieces are formed as bridge pieces (30) spanning between adjacent rotor teeth (22) and suspended above the rotor hub (24). Secure retention of the bridge pieces (30) during use, when they experience extreme centrifugal forces, is achieved by provision of lugs (301) which engage into slots (401) in the side (surfaces 40) of the rotor teeth (22). The lugs (301) extend part circumferentially and part radially inwardly which has the effect that the lugs self-lock into the slots when deformed under action of the centrifugal forces that occur when the rotor assembly spins.



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INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 H02K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	US 4 147 946 A (LINS COTT JR PHILIP S ET AL) 3 April 1979 (1979-04-03) column 1, line 35 - line 48 column 3, line 6 - line 18 -----	2,3
A	US 6 452 301 B1 (VAN DINE PIETER [US] ET AL) 17 September 2002 (2002-09-17) abstract -----	1-7
A	W0 00/64028 A1 (THERMO BLACK CLAWSON INC [US] ; DEMLER CHRISTOPHER L [US] ; CARLOCK DALE) 26 October 2000 (2000-10-26) abstract -----	1-7



Further documents are listed in the continuation of Box C.



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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