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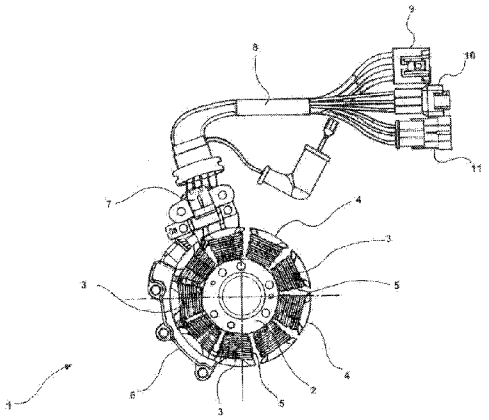


FIG.1

(57) Abstract: An electric motor-generator (1) of the type with permanent magnets with three-phase radial flow, comprising a stator having a plurality of teeth (3), each one provided with a respective electric winding (5) implemented by a conducting wire and with a respective heading polar expansion (4), divided into groups corresponding each one to a phase, allows an easy implementation of the windings in the motor (1) itself by using teeth (3) of the stator with even relevant sizes, by obtaining at the same time a reduced short-circuit current which produces a smaller fatigue of the battery during the recharge phase, wherein the electric windings (5) of each single tooth (3) of each group are connected therebetween in parallel, wherein the distance between adjacent polar expansions is the minimum one so as to allow the passage of a conducting wire and wherein, by identifying a first magnetic circuit comprising two adjacent teeth (3), the respective rotor and stator yokes, the thicknesses of the respective permanent magnets and the corresponding air gap, and a second magnetic circuit comprising two adjacent teeth (3), the respective rotor yokes, the respective halves of the faced polar expansions (4) of said adjacent teeth (3).

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ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 104 077 A2 (HONDA MOTOR CO LTD [JP]) 30 May 2001 (2001-05-30) abstract paragraph [0046] - paragraph [0067] figures 1-22	1-4
X	EP 1 624 230 A2 (HONDA MOTOR CO LTD [JP]) 8 February 2006 (2006-02-08) abstract paragraph [0008] - paragraph [0019] figures 1-6	1-4
X	JP 2000 103384 A (HONDA MOTOR CO LTD) 11 April 2000 (2000-04-11) abstract paragraph [0038] - paragraph [0045] paragraph [0085] - paragraph [0086] figures 1-17	1-4

☐ Further documents are listed in the continuation of Box C.

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Information on patent family members

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