(11) **EP 1 734 646 A8**

(12) CORRECTED EUROPEAN PATENT APPLICATION

Note: Bibliography reflects the latest situation

(15) Correction information:

Corrected version no 1 (W1 A2) INID code(s) 22

(48) Corrigendum issued on:

21.02.2007 Bulletin 2007/08

(43) Date of publication:

20.12.2006 Bulletin 2006/51

(21) Application number: 06076429.7

(22) Date of filing: 24.07.2002

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 24.07.2001 JP 2001223010

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:

02255182.4 / 1 280 262

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(51) Int Cl.:

H02K 37/14 (2006.01)

H02K 37/18 (2006.01)

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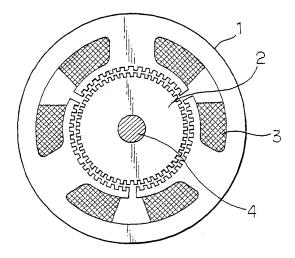
Remarks:

This application was filed on 14 - 07 - 2006 as a divisional application to the application mentioned under INID code 62.

(54) Permanent magnet type three-phase stepping motor

(57) In a permanent magnet type three-phase stepping motor having a stator (1) having 3L pieces of stator pole and a rotor (2) having a permanent magnet (4, 9) magnetized so as to form a plurality (Nr) of N and S pole pairs, wherein a condition of $0.3 \leqq \{ \, Nr \, / \, \pi \,)$ (Ws + Wr) / (Ds + Dr) $\} \leqq 0.5$ is established, where L is an integer not less than 1, Nr is L ($3n \pm 1$), n is an integer not less than 1, Ds is an inner diameter of the stator (1), Dr is an outer diameter of the rotor (2), Ws is a width of the stator pole tooth, and Wr is a width of the rotor tooth.

FIG. 1A



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