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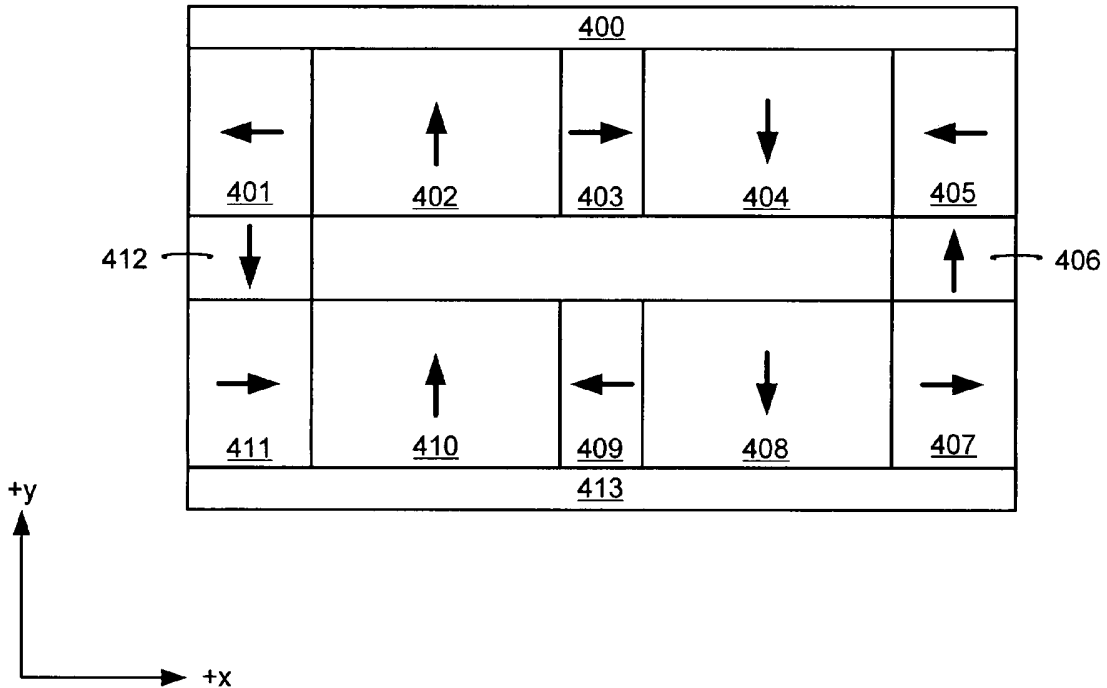
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[Continued on next page]

(54) Title: HIGH FIELD VOICE COIL MOTOR



(57) Abstract: An embodiment of the invention is a particular arrangement of permanent magnets that generates a higher strength and more uniform magnetic field than existing permanent magnet arrangements for a voice coil motor. The permanent magnet arrangement of an embodiment is based on the Halbach arrangement of permanent magnets. The increased magnetic field strength and uniformity allows for a voice coil motor that is both capable of higher frequency actuations as well as more uniform force over the full stroke of the actuation.

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2003-116260 (KORENAGA) 18 April 2003, fig 1B	7,8
A	US 6104108 A (HAZELTON et al) 15 August 2000, see entire document	1-14
A	US 6864602 B2 (KORENAGA) 08 March 2005, see entire document	1-14

 Further documents are listed in the continuation of Box C.
  See patent family annex.

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