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(54) **PERMANENT MAGNET FOR AN ELECTRIC MACHINE AND METHOD OF MAKING THE SAME**

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(57) **ABSTRACT**

A permanent magnet for use in an electric machine has a magnet thickness and extends along a magnet axis. The permanent magnet defines a groove extending axially along the magnet axis. The groove has a groove depth that is less than the magnet thickness. The groove has a non-straight configuration with respect to the magnet axis.

