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ABSTRACT

IMPROVEMENTS IN SWITCHED RELUCTANCE MOTORS

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A switched reluctance motor has groups of adjacent poles of the same polarity. A starting magnet is fitted to one side of one or more of the poles in one or more of the groups. The polarity of the magnet can be the same as that of its host pole. The starting magnet influences the rest position of the rotor when it is not driven so that the rotor will not be in an orientation such that it will not start when the stator poles are energised.

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