

Title (en)

AMORPHOUS METAL STATOR FOR A RADIAL-FLUX ELECTRIC MOTOR

Title (de)

STATOR AUS AMORPHEM METALL FÜR EINEN ELEKTRISCHEN MOTOR MIT RADIAL-FLUSS

Title (fr)

STATOR EN METAL AMORPHE POUR MOTEUR ELECTRIQUE A FLUX RADIAL

Publication

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Application

**EP 99930379 A 19990617**

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Abstract (en)

[origin: WO9966624A1] An amorphous metal stator for a high efficiency radial-flux electric motor has a plurality of segments, each of which includes a plurality of layers of amorphous metal strips. The plural segments are arranged to form a generally cylindrical stator having a plurality of teeth sections or poles protruding radially inward from the inner surface of the stator. In a first embodiment, the stator back-iron and teeth are constructed such that radial flux passing through the stator crosses just one air gap when traversing each segment of the stator. In a second embodiment, the stator back-iron and teeth are constructed such that radial flux passing through the stator traverses each segment without crossing an air gap.

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**H02K 1/14**; **H02K 15/02**

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CPC (source: EP KR)

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Citation (search report)

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