

Title (en)

STATOR OF A ROTARY ELECTRIC MACHINE WITH IMPROVED MAGNETIC PERFORMANCE

Title (de)

STATOR EINER ELEKTRISCHEN DREHMASCHINE MIT VERBESSERTER MAGNETISCHER LEISTUNG

Title (fr)

STATOR DE MACHINE ELECTRIQUE TOURNANTE A PERFORMANCES MAGNETIQUES AMELIOREES

Publication

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Application

EP 16767338 A 20160907

Priority

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- FR 2016052231 W 20160907

Abstract (en)

[origin: WO2017042489A1] The invention mainly concerns a stator (9) of a rotary electric machine, in particular intended for an electric compressor for a motor vehicle, the stator (9) comprising: - a yoke (28), - a plurality of teeth (27) angularly distributed on an inner periphery of said yoke (28), - a plurality of slots (29) each defined by two adjacent teeth (27), - a winding (17) comprising a plurality of coils (50), each coil (50) being formed by a wire (51) wound around a tooth, characterised in that a ratio between a diameter of a conductive portion of said non-enamelled wire (51), expressed in mm, and a number of turns of each coil (50) is of between 5% and 25%, and in particular between 10% and 20%.

IPC 8 full level

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Citation (search report)

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