

Title (en)

INDUCTION MOTOR WITH SHORT-CIRCUITED ARMATURE AND A PIPE CAGE.

Title (de)

INDUKTIONSMOTOR MIT KURZSCHLUSSANKER UND RÖHRENKÄFIG.

Title (fr)

MOTEUR A INDUCTION AVEC INDUIT EN COURT-CIRCUIT ET CAGE D'ECUREUIL FORMEE PAR DES TUYAUX.

Publication

EP 0044328 A4 19820526 (EN)

Application

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Priority

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Abstract (en)

[origin: WO8102228A1] Induction motor with a short-circuited armature and a pipe cage at which the rotor bars protrude beyond the frontal side of the rotor at one or both ends thereof and on the protruding bar ends short-circuiting means are arranged. In the bar section between the short-circuiting means and the frontal side of the motor, at least on one side of the rotor short-circuited tubes made of a magnetizable material are placed on each of the rotor bars insulated from the rotor bars. The wall-thickness of said tubes is selected in such a manner that partly they should reach or at least approximate the state of magnetic saturation under the influence of starting current, partly the Skin-effect should arise in them. The excitation and plus-slipage occurring at the operational speed of rotation may be eliminated, when the tubes are provided with one or more slits forming air-gaps in longitudinal direction, preferably along the external and/or internal generatrix.

IPC 1-7

H02K 17/16

IPC 8 full level

H02K 9/06 (2006.01); **H02K 17/16** (2006.01)

CPC (source: EP)

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Citation (search report)

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