

Title (en)

ROTATING TRANSFORMER FOR SUPPLYING THE FIELD WINDING IN A DYNAMOELECTRIC MACHINE

Title (de)

ROTIERENDER TRANSFORMATOR ZUR VERSORGUNG DER FELDWICKLUNG IN EINER DYNAMOELEKTRISCHEN MASCHINE

Title (fr)

TRANSFORMATEUR TOURNANT POUR L'ALIMENTATION DU BOBINAGE D'EXCITATION D'UNE MACHINE DYNAMOÉLECTRIQUE

Publication

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Application

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Abstract (en)

[origin: WO2010102987A1] The invention relates to a rotating transformer that is suitable in particular for supplying current to the excitation winding of a synchronous machine. A stationary primary winding arrangement (3) is fed by an alternating voltage source (4). A secondary winding arrangement (2) is attached to a rotor (1), which secondary winding arrangement is inductively coupled with the primary winding arrangement. In order to enable a simple installation, the primary winding arrangement comprises at least two primary windings (32), which each extend over a predetermined sector relative to the direction of rotation of the rotor. It thus becomes possible to install the primary windings separately and to arrange the device in a space-saving manner in areas of a dynamoelectric machine otherwise remaining unused.

IPC 8 full level

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Citation (search report)

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