

Title (en)

DOUBLE-EXCITATION ROTATING ELECTRICAL MACHINE FOR ADJUSTABLE DEFLUXING

Title (de)

ROTATORISCHE ELEKTRISCHE MASCHINE MIT DOPPELTER, EINE GESTEUERTE FELDSCHWÄCHUNG ERMÖGLICHENDE ERREGUNG

Title (fr)

MACHINE ELECTRIQUE TOURNANTE A DOUBLE EXCITATION AUTORISANT UN DEFLUXAGE MODULABLE

Publication

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Application

EP 03758234 A 20030813

Priority

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- FR 0210345 A 20020814

Abstract (en)

[origin: WO2004017496A2] The invention concerns a rotating electrical machine comprising a stator enclosing a rotor including permanent excitation magnets (20, 24, 26, 30) capable of producing magnetic fluxes, and excitation coils (22, 28), capable of being excited or not and generate flux constituents which can counter the fluxes generated in the magnets, wherein the number (Na) of magnets and the number (Nb) of excitation coils as well as the mutual arrangement of the coils and the magnets relative to one another form an elementary pattern (me), said numbers Na of magnets, Nb of coils and Nme of elementary patterns capable of being modified depending on the desired basic intensity (Ibase) in the machine, said basic intensity being determined when the coils are not excited and on the desired modulation intensity (Imod) in the machine, said modulation intensity being determined when the coils are excited.

IPC 1-7

H02K 21/04

IPC 8 full level

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