

Title (en)
DEVICE FOR FIXING MAGNETS

Title (de)
VORRICHTUNG ZUR FIXIERUNG VON MAGNETEN

Title (fr)
DISPOSITIF POUR FIXER DES AIMANTS

Publication
EP 2364523 A2 20110914 (DE)

Application
EP 09743891 A 20091026

Priority
• EP 2009064083 W 20091026
• DE 102008043144 A 20081024

Abstract (en)
[origin: WO2010046501A2] The invention relates to an electric machine (10), in particular a generator for a motor vehicle, comprising an exciter system composed of a plurality of electrically excited salient poles. The salient poles can be designed within the stator (16) or rotor (20) in the form of electromagnetically excited poles (22, 23; 24, 25) which are axially and radially oriented on the periphery and are alternatively polarized in the peripheral direction. In order to improve performance and reduce the magnetic leakage flux, permanent magnets (66), which are secured by means of a magnetically non-excitable holding element (60), are inserted into interstices (74) between the alternating poles (24, 25). The holding element (60) is bilaterally mounted in pole grooves (92, 94), is radially, axially, and tangentially resilient, and has a wave-shaped (62) and/or bead-shaped (76, 78; 86) profile.

IPC 8 full level
H02K 1/22 (2006.01); **H02K 1/28** (2006.01)

CPC (source: EP US)
H02K 21/044 (2013.01 - EP US)

Citation (search report)
See references of WO 2010046501A2

Citation (examination)
DE 102008048944 A1 20090219 - REMY TECHNOLOGIES LLC [US]

Cited by
EP3531434A1

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