

Title (en)

PROTECTIVE COVER WHICH IS INTENDED TO MOUNTED ON THE REAR BEARING OF A ROTATING ELECTRICAL MACHINE, ALTERNATOR AND ALTERNATOR-STARTER COMPRISING ONE SUCH COVER

Title (de)

HINTERLAGERSCHUTZKAPPE FÜR ROTIERENDE ELEKTRISCHE MASCHINEN, UND STARTER-GENERATOR MIT EINEM SOLCHEN SCHUTZ

Title (fr)

CAPOT DE PROTECTION DESTINE A ETRE MONTE SUR LE PALIER ARRIERE D'UNE MACHINE ELECTRIQUE TOURNANTE, ALTERNATEUR ET ALTERNO-DEMARREUR COMPORTANT UN TEL CAPOT

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Application

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Priority

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Abstract (en)

[origin: WO2004040736A1] The invention relates to a protective cover which is intended to mounted on the rear bearing (14) of a polyphase rotating electrical machine, such as an alternator or an alternator-starter for a motor vehicle. The inventive cover is of the type that consists of: an outer frame comprising a rear bearing and supporting a polyphase wound stator, the phase outputs thereof being connected to a phase connector (102); and a support which is made from an electrically-insulating material, which is mounted in a fixed manner to the rear bearing and which supports the phase connector (102). The cover is designed both to support the phase connector and to cover the rear bearing. The invention also relates to an alternator and an alternator-starter comprising one such cover. The invention is suitable for alternators and alternator-starters for motor vehicles.

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Citation (search report)

See references of WO 2004040736A1

Citation (examination)

- US 6034452 A 20000307 - NAKAMURA SHIGENOBU [JP], et al
- US 2001054853 A1 20011227 - HAYASHI YOSHINORI [JP], et al
- EP 0765024 A1 19970326 - ELCO SPA [IT]
- US 6107710 A 20000822 - GAMBOA JOSE [US]

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