Title (en)

MULTIPLE PARALLEL CONDUCTOR FOR ELECTRICAL MACHINES AND DEVICES

Title (de)

MEHRFACHPARALLELLEITER FÜR ELEKTRISCHE MASCHINEN UND GERÄTE

Title (fr)

CONDUCTEUR MULTIPLE A AMES PARALLELES

Publication

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Application

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- AT 32898 A 19980224

Abstract (en)

[origin: WO9944209A1] The invention relates to a multiple parallel conductor for an electrical machine, especially for a transformer, and to a method for manufacturing the same. Said conductor comprises a plurality of adjacent insulated partial conductors (2) assembled in a bundle and fitted at least sectionwise with a grid-shaped sheathing (5), i.e. a grid strip, a thread braiding or the like, and a flat protective insulation (4) arranged between the outer surface of the partial conductor bundle and the grid-shaped sheathing (5), said protective insulation covering at least one surface section of the partial conductor bundle and not covering another surface section of the partial conductor bundle. In one of the windings, at least one of the side faces of the sections of the windings of the multiple parallel conductor (1, 7) adjacent to the side faces overlooking each other is fitted with a flat protective insulation (4). This partial protective insulation additionally increases the winding bulk factor by direct contiguous windings of the multiple parallel conductor since no oil channels are produced as a result of spacing thereby lowering costs and considerably reducing the risk of short circuits caused by friction between two winding sections that are directly in contact with each other.

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