

Title (en)

ELECTRICALLY INSULATED ELECTRIC CONDUCTOR STRIP, IN PARTICULAR FOR ELECTRIC MOTORS AND TRANSFORMERS

Title (de)

ELEKTROISOLIERTES ELEKTRISCHES LEITUNGSBAND, INSBESONDERE FÜR ELEKTROMOTOREN UND TRANSFORMATOREN

Title (fr)

BANDE DE CONDUCTION ÉLECTRIQUE ISOLÉE ÉLECTRIQUEMENT, EN PARTICULIER POUR MOTEURS ÉLECTRIQUES ET TRANSFORMATEURS

Publication

EP 3861563 A1 20210811 (DE)

Application

EP 19783258 A 20191001

Priority

- DE 202018105660 U 20181002
- EP 2019076587 W 20191001

Abstract (en)

[origin: WO2020070123A1] The invention relates to an electrically insulated electric conductor strip (1), in particular for electric motors and transformers, having a strip-like electric conductor (2) which has an upper cover surface (2a) and a lower cover surface (2b), two side edge surfaces (2c) and, at each end, an end edge surface, and having electrical insulation (3), which is arranged on at least one cover surface of the strip (2a, 2b). In order to create a conductor strip (1) of this kind which can be produced with reduced effort but has a high electrical insulation effect, it is proposed that the insulation comprises a paint layer (3a) and an adhesive strip (3b), which is adhered to the lower cover surface (2b) and/or the upper cover surface (2a) of the strip-like electrical conductor (2), more specifically at least in a region (4) in each case which borders a side edge surface (2c), the paint layer (3a) being beneath the adhesive tape (3b) and at least directly on the lower cover surface (2b) and/or on the upper surface (2a).

IPC 8 full level

H01F 5/06 (2006.01); **H01B 7/00** (2006.01); **H01B 13/06** (2006.01); **H01F 27/28** (2006.01); **H01F 27/32** (2006.01); **H01F 41/12** (2006.01)

CPC (source: EP US)

H01B 3/302 (2013.01 - US); **H01F 5/06** (2013.01 - EP US); **H01F 27/323** (2013.01 - EP US); **H01F 41/122** (2013.01 - EP US); **H02K 3/30** (2013.01 - EP US); **H02K 3/32** (2013.01 - EP); **H01B 3/44** (2013.01 - EP); **H01F 2027/2857** (2013.01 - EP); **H02K 2213/03** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 202018105660 U1 20200107; CN 112753081 A 20210504; CN 112753081 B 20240503; EP 3861563 A1 20210811; US 12027284 B2 20240702; US 2021391096 A1 20211216; WO 2020070123 A1 20200409

DOCDB simple family (application)

DE 202018105660 U 20181002; CN 201980063231 A 20191001; EP 19783258 A 20191001; EP 2019076587 W 20191001; US 201917219286 A 20191001