

Title (en)

REGULAR SQUARE INSULATING CABLE, APPLICATION OF SUCH REGULAR SQUARE INSULATING CABLE AND METHOD FOR MANUFACTURING SUCH REGULAR SQUARE INSULATING CABLE

Title (de)

REGULÄRES QUADRATISCHES ISOLATIONSKABEL, ANWENDUNG EINES SOLCHEN REGULÄREN QUADRATISCHEN ISOLATIONSKABELS UND VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN REGULÄREN QUADRATISCHEN ISOLATIONSKABELS

Title (fr)

CABLE D'ISOLATION CARRE REGULIER, APPLICATION D'UN TEL CABLE D'ISOLATION CARRE REGULIER ET PROCEDE DE FABRICATION D'UN TEL CABLE D'ISOLATION CARRE REGULIER

Publication

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Application

EP 06728957 A 20060307

Priority

- JP 2006304841 W 20060307
- JP 2005067601 A 20050310

Abstract (en)

[origin: EP1858030A1] A first insulating layer 1 is formed by electrodeposition coating on the surface of an outer circumference of a linear conductor m wherein the cross sectional shape thereof is substantially square, and further thereon, a second insulating layer 2 is formed by dipping. In the formation of the first insulating layer 1, swelling occurs in the first insulating layer at a corner portion of conductor m due to the electrodeposition characteristics of electrodeposition coating. The relative concavo-convex occurs on the surface of the layer 1 by the swelling. The concavo-convex is planarized by the second insulating layer formed in accordance with film-forming characteristics of the dipping, whereby an insulated square wire superior in voltage resistance and conductor space factor is obtained.

IPC 8 full level

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CPC (source: EP)

H01F 27/323 (2013.01); **H01F 41/066** (2016.01); **H01B 7/0216** (2013.01); **H01F 27/2823** (2013.01)

Citation (search report)

- [X] JP S5233084 A 19770312 - MITSUBISHI ELECTRIC CORP
- [X] WO 2004100184 A1 20041118 - NIPPON PAINT CO LTD [JP], et al
- [A] US 4058444 A 19771115 - SHIBAYAMA KYOICHI, et al
- See references of WO 2006103903A1

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DE FR GB

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