

Title (en)

ELECTRICAL CONDUCTORS FOR POWER TRANSFORMERS WITH HIGH ELECTRICAL AND THERMAL CONDUCTIVITY

Title (de)

ELEKTRISCHE LEITER FÜR LEISTUNGSTRANSFORMATOREN MIT HOHER ELEKTRISCHER UND THERMISCHER LEITFÄHIGKEIT

Title (fr)

CONDUCTEURS ÉLECTRIQUES POUR TRANSFORMATEURS DE PUISSANCE À HAUTE CONDUCTIVITÉ ÉLECTRIQUE ET THERMIQUE

Publication

**EP 4179554 A1 20230517 (EN)**

Application

**EP 21743453 A 20210712**

Priority

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- EP 2021069298 W 20210712

Abstract (en)

[origin: WO2022013138A1] A process for manufacturing electrical conductors for power transformers with high electrical and thermal conductivity, enhanced through the deposition of copper and graphene, is herein described. In particular is described an industrial process for the production of conductors in copper and/or aluminium having a rectangular section (strips) coated with graphene, in order to increase thermal and electrical conductivity of said conductors, which are then used in all the windings for power transformers.

IPC 8 full level

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