

Title (en)

Copper plated aluminum stranded cable and its fabrication method

Title (de)

Verkupfertes Aluminium Strangkabel und sein Herstellungsverfahren

Title (fr)

Cable toronne en aluminium cuivre, et procede pour sa fabrication

Publication

EP 1647996 A1 20060419 (FR)

Application

EP 05356180 A 20051005

Priority

FR 0411024 A 20041012

Abstract (en)

An aluminium cable electric conductor, incorporating at least one strand with a base of conducting wires (1) with a core (2) of aluminium coated with an intermediate layer (3) of copper which is coated with a superficial layer (4) of nickel, has the following characteristics : (A) the superficial layer of nickel has a thickness (E) of between 1.3 μm and 3 μm ; (B) the superficial layer of nickel has sufficient continuity to resist a continuity test in a bath of polysulphur for at least 30 seconds without the appearance of zones of attack of the copper, visible at an enlargement of times ten. An independent claim is also included for the production of this conductor.

IPC 8 full level

H01B 1/02 (2006.01); **H01B 9/02** (2006.01); **H01B 13/00** (2006.01)

CPC (source: EP US)

H01B 1/023 (2013.01 - EP US); **H01B 1/026** (2013.01 - EP US); **H01B 13/0006** (2013.01 - EP US); **H01B 13/02** (2013.01 - EP US); **H01B 9/008** (2013.01 - EP US)

Citation (applicant)

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- DE 2153316 A1 19730503 - KABEL METALLWERKE GHH
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Citation (search report)

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