

Title (en)

Method for producing a coated metal wire

Title (de)

Verfahren zur Herstellung eines beschichteten Metalledrahts

Title (fr)

Procédé de production d'un fil métallique revêtu

Publication

**EP 2371984 A1 20111005 (EN)**

Application

**EP 10159047 A 20100402**

Priority

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Abstract (en)

The present invention relates to methods for manufacturing a weldable coated metal wire comprising a metal core surrounded by a coating, wherein the coating comprises a zinc inner layer, a passivation layer and a sealing layer comprising silicon compounds. The present invention further relates to a weldable coated metal wire and structures comprising one or more weldable coated metal wires according to the present invention.

IPC 8 full level

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Citation (search report)

- [Y] WO 2005075697 A1 20050818 - BEKAERT SA NV [BE], et al
- [Y] US 2006054248 A1 20060316 - STRAUS MARTIN L [US]
- [A] US 4664953 A 19870512 - COPAS RAYMOND J [AU], et al
- [A] US 2005181137 A1 20050818 - STRAUS MARTIN L [US]
- [A] GB 985472 A 19650310 - AIR LIQUIDE

Citation (examination)

US 4069187 A 19780117 - MILLER RUSSELL C

Cited by

CN109972067A; CN104066863A; CN106544490A; NL2022279B1; CN113474480A; EP2915904A4; US9997278B2; US10030290B2; WO2014163683A1; WO2020130833A1; WO2013117270A1

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