

Title (en)
ELECTRIC WIRE WITH TERMINAL AND METHOD FOR MANUFACTURING THE SAME

Title (de)
ELEKTRISCHER DRAHT MIT KLEMME UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
FIL ÉLECTRIQUE À TERMINAL ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3687000 B1 20230830 (EN)

Application
EP 20151904 A 20200115

Priority
JP 2019012444 A 20190128

Abstract (en)
[origin: EP3687000A1] An electric wire with terminal1 is provided with a conductor3 made of an aluminum material, an electric wire2, and a terminal5 made of an aluminum material which is configured to be connected to the conductor3. The terminal5 includes three or more compressed portions along a longitudinal direction of the conductor3. A resistance ratio growth rate (%) obtained by a formula $((R2-R1)/R1) \times 100$ is not more than 19% wherein R1 represents an electric resistance ratio between the conductor3 and the terminal5 before performing a test that keeps the electric wire with terminal1 at 150°C in air for 50 hours, and R2 represents an electric resistance ratio between the conductor3 and the terminal5 after performing the test.

IPC 8 full level
H01R 4/20 (2006.01); **H01R 43/048** (2006.01)

CPC (source: CN EP)
H01B 1/02 (2013.01 - CN); **H01B 1/023** (2013.01 - CN); **H01R 4/183** (2013.01 - CN); **H01R 4/188** (2013.01 - CN); **H01R 4/20** (2013.01 - EP); **H01R 4/62** (2013.01 - CN); **H01R 43/04** (2013.01 - CN); **H01R 43/0482** (2013.01 - EP)

Cited by
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EP 3687000 A1 20200729; **EP 3687000 B1 20230830**; CN 111490362 A 20200804; JP 2020119865 A 20200806; JP 2022075941 A 20220518; JP 7347570 B2 20230920

DOCDB simple family (application)
EP 20151904 A 20200115; CN 202010037583 A 20200114; JP 2019012444 A 20190128; JP 2022048246 A 20220324