

Title (en)

HIGH-ELONGATION RATE ALUMINUM ALLOY MATERIAL FOR CABLE AND PREPARATION METHOD THEREOF

Title (de)

ALUMINIUMLEGIERUNGSMATERIAL MIT HOHER STRECKUNGSRATE FÜR KABEL UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

MATÉRIAU EN ALLIAGE D'ALUMINIUM À TAUX D'ALLONGEMENT ÉLEVÉ POUR DES CÂBLES ET SON PROCÉDÉ DE PRÉPARATION

Publication

EP 2468907 A1 20120627 (EN)

Application

EP 10766607 A 20100409

Priority

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Abstract (en)

A high-elongation rate aluminum alloy material and preparation method thereof. The high-elongation aluminum alloy material contains, in weight percentage, 0.30-1.20% of iron, 0.03-0.10% of silicon, 0.01-0.30% of rare earth elements, namely cerium and lanthanum, and the remaining aluminum and inevitable impurities. The aluminum alloy is made from materials through a fusion casting process and a half-annealing treatment. An aluminum alloy conductor made thereof has a high-elongation rate and good safety and stability in use.

IPC 8 full level

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CPC (source: EP US)

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