

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 A4 20131120 (EN)**

Application

**EP 10766607 A 20100409**

Priority

- CN 200910116635 A 20090424
- CN 2010071654 W 20100409

Abstract (en)

[origin: EP2468907A1] 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

**C22C 21/00** (2006.01); **B21B 1/46** (2006.01); **B21B 37/74** (2006.01); **B22D 21/04** (2006.01); **C21D 1/26** (2006.01); **C22C 1/03** (2006.01); **C22C 1/06** (2006.01); **C22F 1/04** (2006.01); **B22D 21/00** (2006.01)

CPC (source: EP US)

**B22D 21/007** (2013.01 - EP US); **C21D 1/26** (2013.01 - EP US); **C22C 1/00** (2013.01 - EP US); **C22C 1/06** (2013.01 - EP US); **C22C 21/00** (2013.01 - EP US); **C22F 1/04** (2013.01 - EP US)

Citation (search report)

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- [Y] US 2008102404 A1 20080501 - TASHIRO HIROSHI [JP], et al
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**EP 2468907 A1 20120627**; **EP 2468907 A4 20131120**; AU 2010239014 A1 20110811; AU 2010239014 B2 20140626; CA 2773050 A1 20101028; CN 101525709 A 20090909; CN 101525709 B 20100811; JP 2012524837 A 20121018; RU 2011147346 A 20130527; RU 2550063 C2 20150510; US 2012211130 A1 20120823; WO 2010121517 A1 20101028

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