

Title (en)

Utilization of a lead-antimony alloy.

Title (de)

Verwendung einer Blei-Antimon-Legierung.

Title (fr)

Utilisation d'un alliage plomb-antimoine.

Publication

EP 0051897 A1 19820519 (DE)

Application

EP 81201241 A 19811102

Priority

DE 3042011 A 19801107

Abstract (en)

1. Application of a lead-antimony-alloy consisting of 0.1 to 3.5% by weight antimony, 0.01% to 0.1% by weight tellurium, rest lead with impurities subject to its production and containing in case one or more of the additions 0.001 to 0.008% by weight sulfur, 0.005 to 0.035% by weight selenium, 0.005 to 0.5% by weight tin, 0.005 to 0.1% by weight silver, 0.01 to 0.4% by weight arsenic and 0.01 to 0.05% by weight bismuth for the production of rolled and heat treated sheet metal and strips having a high structure stability for manufacturing strip plates for storage batteries by cutting.

Abstract (de)

Eine Blei-Antimon-Legierung, bestehend aus 0,10 bis 3,50 Gew.-% Antimon, 0,01 bis 0,10 Gew.-% Tellur, Rest Blei, wird zur Herstellung von eine hohe Gefügestabilität aufweisenden gewalzten und wärmebehandelten Blechen und Bändern zur Erzeugung von Gittern der Elektroden von Bleiakkumulatoren durch spanabhebende Formgebung verwendet.

IPC 1-7

C22C 11/08; **H01M 4/68**

IPC 8 full level

C22C 11/00 (2006.01); **C22C 11/08** (2006.01); **H01M 4/68** (2006.01)

CPC (source: EP)

C22C 11/00 (2013.01)

Citation (search report)

- [X] DE 2621398 A1 19771124 - HAGEN AG ACCU FAB WILHELM
- DE 2500228 A1 19760715 - HAGEN AG ACCU FAB WILHELM
- DE 2241369 A1 19740307 - HAGEN AG ACCU FAB WILHELM
- DE 2512049 A1 19750925 - EUROP ACCUMULATEURS
- [A] GB 814445 A 19590603 - BRITISH LEAD MILLS LTD
- [A] GB 411524 A 19340608 - WILLIAM SINGLETON, et al
- [AD] DE 2439729 A1 19760304 - VARTA BATTERIE
- [AD] DE 2907227 A1 19800904 - METALLGESELLSCHAFT AG
- [AD] DE 2151733 B1 19730215 - VARTA AG [DE]
- [A] US 4109358 A 19780829 - DUDDY JOSEPH C, et al
- [X] ZEITSCHRIFT FUR METALLKUNDE, BAND 70, Dezember 1979, U. HEUBER: "Die Kornfeinung und Gefügestabilisierung von Pb und Pb-Legierungen mit Hilfe von S, Se, Te", Seiten 761-767

Cited by

US7923155B2; GB2169616A; US4629516A; US4753688A; US9985276B2; US10637044B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT NL

DOCDB simple family (publication)

EP 0051897 A1 19820519; **EP 0051897 B1 19840808**; AT E8915 T1 19840815; DE 3042011 A1 19820603; DE 3165437 D1 19840913; ES 506951 A0 19830201; ES 8303540 A1 19830201; YU 263481 A 19840229

DOCDB simple family (application)

EP 81201241 A 19811102; AT 81201241 T 19811102; DE 3042011 A 19801107; DE 3165437 T 19811102; ES 506951 A 19811106; YU 263481 A 19811106