

Title (en)

HIGH STRENGTH L1 2 ALUMINUM ALLOYS PRODUCED BY CRYOMILLING

Title (de)

MITTELS KRYOGENER ZERKLEINERUNG HERGESTELLTE HOCHFESTE L12-ALUMINIUMLEGIERUNGEN

Title (fr)

ALLIAGES D'ALUMINIUM L1 2 HAUTE RÉSISTANCE PRODUITS PAR CRYOBROYAGE

Publication

EP 2403967 A2 20120111 (EN)

Application

EP 10749389 A 20100305

Priority

- US 2010026364 W 20100305
- US 39871209 A 20090305

Abstract (en)

[origin: US2010226817A1] A method and apparatus produces high strength aluminum alloys from a cryomilled powder containing L12 intermetallic dispersoids. The cryomilled powder is degassed, sealed under vacuum in a container, heated, consolidated by vacuum hot pressing, and extruded.

IPC 8 full level

C22C 21/00 (2006.01); **C22C 21/02** (2006.01); **C22F 1/04** (2006.01); **C22F 1/043** (2006.01)

CPC (source: EP US)

B22F 9/04 (2013.01 - EP US); **C22C 1/0416** (2013.01 - EP US); **C22C 21/003** (2013.01 - EP US); **C22C 21/02** (2013.01 - EP US); **C22C 21/06** (2013.01 - EP US); **C22C 21/10** (2013.01 - EP US); **C22C 21/12** (2013.01 - EP US); **B22F 2003/145** (2013.01 - EP US); **B22F 2009/041** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US)

C-Set (source: EP US)

1. **B22F 2998/10 + B22F 9/082 + B22F 9/04 + B22F 3/1216 + B22F 3/14 + B22F 3/20**
2. **B22F 2999/00 + B22F 9/04 + B22F 2202/03**
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Designated contracting state (EPC)

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DOCDB simple family (publication)

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