

Title (en)

Aluminum base alloy and method for preparing same

Title (de)

Legierung auf Aluminiumbasis und Verfahren zu ihrer Herstellung

Title (fr)

Alliage à base d'aluminium et procédé pour sa fabrication

Publication

**EP 0732414 A1 19960918 (EN)**

Application

**EP 95103920 A 19950317**

Priority

EP 95103920 A 19950317

Abstract (en)

Aluminum base alloy consisting essentially of from 0.1 to 3.0% boron, from 1 to 10% titanium and the balance essentially aluminum wherein the aluminum matrix contains TiB<sub>2</sub> particles dispersed throughout said matrix having an average particle size of less than 1 micron, and wherein the matrix contains clusters of said TiB<sub>2</sub> particles greater than 10 microns in size with an average of less than 4 of said clusters per 2 cm<sup>2</sup>. The alloy is prepared by adding a boron containing material and K<sub>2</sub>TiF<sub>6</sub> to a bath of molten aluminum and stirring the molten mixture.

IPC 1-7

**C22C 1/02**

IPC 8 full level

**C22C 1/02** (2006.01)

CPC (source: EP)

**C22C 1/026** (2013.01)

Citation (search report)

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