

Title (en)

METHOD FOR MANUFACTURING ALUMINIUM- AND BORON-BASED COMPOSITE ALLOYS AND APPLICATION THEREOF

Publication

EP 0121529 B1 19860702 (FR)

Application

EP 83903090 A 19831004

Priority

FR 8217108 A 19821005

Abstract (en)

[origin: US4595559A] PCT No. PCT/FR83/00199 Sec. 371 Date Jun. 4, 1984 Sec. 102(e) Date Jun. 4, 1984 PCT Filed Oct. 4, 1983 PCT Pub. No. WO84/01390 PCT Pub. Date Apr. 12, 1984. The present invention relates to a process for the production of composite alloys based on aluminum, which may or may not be alloyed, and containing up to 30% by weight of boron. The process is characterized in that the boron is introduced into the liquid aluminum in the form of aluminum boride having the formula AlB_2 or AlB_{12} . It finds application in the production of composite alloys which are resistant to abrasion or which are intended to serve as neutron barriers in air or an aqueous medium.

IPC 1-7

C22C 1/02; **G21F 1/08**

IPC 8 full level

C22C 1/00 (2006.01); **C22C 1/02** (2006.01); **C22C 1/03** (2006.01); **C22C 1/06** (2006.01); **G21F 1/08** (2006.01)

IPC 8 main group level

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