

Title (en)

ALUMINUM ALLOY FOR CUTTING PROCESSING, AND ALUMINUM ALLOY WORKED ARTICLE MADE OF THE SAME

Title (de)

ALUMINIUMLEGIERUNG FÜR DIE SCHNEIDVERARBEITUNG UND DARAUS HERGESTELLTER BEARBEITETER
ALUMINIUMLEGIERUNGSGEGENSTAND

Title (fr)

ALLIAGE D'ALUMINIUM DESTINE A UN PROCEDE DE COUPAGE ET ARTICLE USINE EN ALLIAGE D'ALUMINIUM

Publication

EP 1549778 A1 20050706 (EN)

Application

EP 03754054 A 20031009

Priority

- JP 0312938 W 20031009
- JP 2002296268 A 20021009
- US 48363503 P 20030701

Abstract (en)

[origin: US2006108030A1] An aluminum alloy for cutting processing consists essentially of Cu: 1 to 6.5 mass %, Zn: 0.05 to 1 mass %, Bi: 0.1 to 1 mass %, Sn: 0.1 to 1 mass %, B: 100 mass ppm or less, or further includes at least one element as a selective additional element selected from the group consisting of Fe: 0.05 to 1 mass %, Mg: 0.01 to 0.3 mass %, Si: 0.05 to 1 mass % and Ti: 0.01 to 0.5 mass %.

IPC 1-7

C22C 21/12

IPC 8 full level

C22C 21/16 (2006.01); **C22C 21/18** (2006.01)

CPC (source: EP US)

C22C 21/003 (2013.01 - EP US); **C22C 21/16** (2013.01 - EP US); **C22C 21/18** (2013.01 - EP US)

Cited by

CN106609330A; CN106609329A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004033740 A1 20040422; AT E440155 T1 20090915; AU 2003272094 A1 20040504; DE 60328902 D1 20091001;
EP 1549778 A1 20050706; EP 1549778 A4 20060405; EP 1549778 B1 20090819; US 2006108030 A1 20060525

DOCDB simple family (application)

JP 0312938 W 20031009; AT 03754054 T 20031009; AU 2003272094 A 20031009; DE 60328902 T 20031009; EP 03754054 A 20031009;
US 53048405 A 20050920