Title (en)

ALUMINIUM-SILICON ALLOY SHEET FOR MECHANICAL, AIRCRAFT AND SPACE APPLICATIONS

Title (de)

BLECH AUS EINER ALUMINIUM-SILIZIUM-LEGIERUNG FUER MACHINEN- ODER FLUGZEUGBAU UND DIE RAUMFAHRT

Title (fr)

TOLE D'ALLIAGE ALUMINIUM-SILICIUM DESTINEE A LA CONSTRUCTION MECANIQUE, AERONAUTIQUE ET SPATIALE

Publication

EP 0717784 B1 19980916 (FR)

Application

EP 95920993 A 19950529

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Abstract (en)

[origin: US5837070A] PCT No. PCT/FR95/00693 Sec. 371 Date Jan. 22, 1996 Sec. 102(e) Date Jan. 22, 1996 PCT Filed May 29, 1995 PCT Pub. No. WO95/34691 PCT Pub. Date Dec. 21, 1995The invention relates to an aluminum alloy sheet heat treated by natural aging, quenching and possibly tempering so as to obtain a yield strength greater than 320 MPa, for use in mechanical, naval, aircraft, or spacecraft construction, with a composition (by weight) of: Si: 6.5 to 11% Mg: 0.5 to 1.0% Cu: <0.8% Fe: <0.

IPC 1-7

C22C 21/04; C22F 1/043

IPC 8 full level

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

CPC (source: EP US)

C22C 21/04 (2013.01 - EP US); **C22F 1/043** (2013.01 - EP US)

Cited by

DE102009024190A1; RU2659514C1; DE102006032699A1; DE102006032699B4; US8728258B2

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DOCDB simple family (publication)

WO 9534691 A1 19951221; AT E171222 T1 19981015; CA 2168946 A1 19951221; DE 69504802 D1 19981022; DE 69504802 T2 19990325; EP 0717784 A1 19960626; EP 0717784 B1 19980916; FR 2721041 A1 19951215; FR 2721041 B1 19971010; JP H09501988 A 19970225; US 5837070 A 19981117

DOCDB simple family (application)

FR 9500693 W 19950529; AT 95920993 T 19950529; CA 2168946 A 19950529; DE 69504802 T 19950529; EP 95920993 A 19950529; FR 9407405 A 19940613; JP 50171196 A 19950529; US 53786496 A 19960122