

Title (en)  
TANTALUM OR NIOBIUM BASE ALLOYS

Title (de)  
TANTAL- ODER NIOB-BASISLEGIERUNGEN

Title (fr)  
ALLIAGES A BASE DE TANTALE OU DE NIOBIUM

Publication  
**EP 0532658 B1 19970910 (EN)**

Application  
**EP 91911943 A 19910606**

Priority  
• US 9103995 W 19910606  
• US 53409290 A 19900606

Abstract (en)  
[origin: WO9119015A1] A wrought metal alloy product having a tantalum or niobium base metal, 25 to 1000 ppm silicon, and 25 to 1000 ppm molybdenum. Fine uniform grain size contributes to improved tensile strength, processability, and high temperature stability.

IPC 1-7  
**C22C 27/00**; **B22F 1/00**; **C22C 27/02**

IPC 8 full level  
**C22C 1/04** (2006.01); **B22F 5/12** (2006.01); **C22C 27/02** (2006.01); **C22C 32/00** (2006.01); **H01G 9/012** (2006.01)

CPC (source: EP)  
**C22C 27/02** (2013.01); **C22C 32/0078** (2013.01)

Cited by  
US8562765B2; US11198927B1

Designated contracting state (EPC)  
AT BE DE FR GB IT

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**WO 9119015 A1 19911212**; AT E158026 T1 19970915; AU 8077491 A 19911231; DE 69127622 D1 19971016; DE 69127622 T2 19980212; EP 0532658 A1 19930324; EP 0532658 A4 19940413; EP 0532658 B1 19970910; HK 1003139 A1 19981009; JP 2944211 B2 19990830; JP H06501054 A 19940127; KR 0145741 B1 19981102

DOCDB simple family (application)  
**US 9103995 W 19910606**; AT 91911943 T 19910606; AU 8077491 A 19910606; DE 69127622 T 19910606; EP 91911943 A 19910606; HK 98101978 A 19980310; JP 51124491 A 19910606; KR 920703111 A 19921205