

Title (en)
COPPER-TUNGSTEN METAL MIXTURE AND PROCESS.

Title (de)
KUPFER-WOLFRAM-METALLMISCHUNG SOWIE VERFAHREN.

Title (fr)
PROCEDE ET MELANGE METALLIQUES CUIVRE-TUNGSTENE.

Publication
EP 0336944 A4 19900108 (EN)

Application
EP 88908854 A 19880921

Priority
• US 10174987 A 19870928
• US 21286188 A 19880629

Abstract (en)
[origin: WO8902803A1] A copper-tungsten mixture net-shaped product produced using powder metallurgical techniques with injection molding and liquid phase sintering. The product has a very low leak rate in helium gas, a high thermal conductivity and a rate of thermal expansion which is substantially the same as some glass and ceramic materials.

IPC 1-7
B22F 1/00; **B22F 3/00**

IPC 8 full level
B22F 3/10 (2006.01); **B22F 1/00** (2006.01); **B22F 3/00** (2006.01); **B22F 3/20** (2006.01); **B22F 5/00** (2006.01); **B22F 5/10** (2006.01); **C22C 1/04** (2006.01); **C22C 27/04** (2006.01); **H01L 23/06** (2006.01)

CPC (source: EP KR)
B22F 1/00 (2013.01 - KR); **C22C 1/045** (2013.01 - EP)

Citation (search report)
• [A] US 3685134 A 19720822 - BLUE PHILIP L
• [A] EP 0170867 A1 19860212 - VACUUMSCHMELZE GMBH [DE]
• [A] EP 0125912 A1 19841121 - NGK INSULATORS LTD [JP]
• See references of WO 8902803A1

Designated contracting state (EPC)
BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8902803 A1 19890406; AU 2531888 A 19890418; AU 615964 B2 19911017; CA 1302739 C 19920609; DE 3881030 D1 19930617; DE 3881030 T2 19931202; EP 0336944 A1 19891018; EP 0336944 A4 19900108; EP 0336944 B1 19930512; FI 86604 B 19920615; FI 86604 C 19920925; FI 892568 A0 19890526; FI 892568 A 19890526; IL 87859 A0 19890331; IL 87859 A 19910610; JP 2811454 B2 19981015; JP H02501316 A 19900510; KR 900700216 A 19900811; KR 960013889 B1 19961010

DOCDB simple family (application)
US 8803253 W 19880921; AU 2531888 A 19880921; CA 578597 A 19880927; DE 3881030 T 19880921; EP 88908854 A 19880921; FI 892568 A 19890526; IL 8785988 A 19880927; JP 50810388 A 19880921; KR 890700936 A 19890527