

Title (en)
Improved tungsten nickel iron alloys.

Title (de)
Wolfram-Nickel-Eisen-Legierungen.

Title (fr)
Alliages tungstène-nickel-fer.

Publication
EP 0326713 A1 19890809 (EN)

Application
EP 88121867 A 19881229

Priority
US 14050488 A 19880104

Abstract (en)
A consolidated tungsten alloy body consisting essentially of from about 70% to about 98% by weight of tungsten, balance nickel and iron in essentially an 8:2 weight ratio. A process for producing the consolidated bodies where the tungsten content is greater than about 88% by weight comprises forming a relative uniform blend of the described metal powders, compacting the powders to form a green body then liquid phase sintering the green body to full density. For alloys containing less than about 90% tungsten solid state sintering can be used.

IPC 1-7
C22C 1/04; **C22C 27/04**

IPC 8 full level
C22C 1/04 (2006.01); **C22C 27/04** (2006.01)

CPC (source: EP)
C22C 1/045 (2013.01); **C22C 27/04** (2013.01)

Citation (search report)
• [X] US 3979234 A 19760907 - NORTHCUTT JR WALTER G, et al
• [Y] US 3888636 A 19750610 - SCZERZENIE FRANCIS E, et al
• [X] FR 1050703 A 19540111 - PLANSEE METALLWERK
• [X] EP 0204909 A1 19861217 - DORNIER SYSTEM GMBH [DE]
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Designated contracting state (EPC)
AT BE CH DE FR GB LI

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