Title (en)

HIGH DENSITY TUNGSTEN MATERIAL SINTERED AT LOW TEMPERATURE

Title (de)

HOCHDICHTES, BEI NIEDRIGEN TEMPERATUREN GESINTERTES MATERIAL AUS WOLFRAM

Title (fr)

MATERIAU TUNGSTENE A HAUTE DENSITE FRITTE A BASSE TEMPERATURE

Publication

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Application

EP 00953219 A 20000615

Priority

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- FR 9908186 A 19990625

Abstract (en)

[origin: WO0100892A1] The invention concerns a tungsten-based sintered material, with relative mean density higher than 93 % and HV0.3 hardness >/= 400. It comprises: tungsten having a purity higher than 99.9 %, an additive consisting of nickel and/or cobalt powder in a mass percentage not more than 0.08 %, an average particle size of tungsten grains of equiaxial shape ranging between 2 and 40 mu m and uniformly distributed for a given average size; and uniformly distributed residual porosity with less than 85 % of the population of pores having a unit volume less than 4 mu m<3>.

IPC 1-7

C22C 1/04; B22F 3/10

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

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