PatentsPatentsPat

PATENTS: Europe

706,619
Disc brake having one region of ceramic material and regions of metal, sintered metal or sintered metal-ceramic.

Knorr Bremse AG. 2 July 1993: 17 April 1996.

707,086
Tool material of sintered bonded c-BN 60-75 vol% with an Al binder and additional constituents.

Sumitomo Elec. Ind. 14 October 1994: 17 April 1996.

709,353
Sintered tool material containing > 20% of c-BN or > 40% of diamond and coated with a heat-resistant film containing Ti, Al, O, N and/or C.

Sumitomo Elec. Ind. 27 October 1994: 1 May 1996.

709,476
Sintered friction material has 10-30% of hard particles in a Cu alloy matrix containing 5-40% of one of Zn or Ni.

Sumitomo Elec. Ind. 7 September 1995: 1 May 1996.

711,844
Tool material with Ni-Al binder and a refractory hard phase of carbide or nitride of Nb, Ta or a cubic solid solution of W and Ti.

Valenite Inc. 21 December 1990: 15 May 1996.

711,845
Sintered valve seat has a sorbitic or pearlitic structure and two types of hard phase.

Sumitomo Elec. Ind. 9 November 1994: 15 May 1996.

PATENTS: USA

5,451,244
Production by PM of superalloy material by specified melting, atomization and consolidation procedures.

Special Metals Corp. 6 April 1994: 19 September 1995.

5,498,147
Design of powder press with concentric cylinders etc. to prevent misalignment.

Yoshizuka Seiki. 7 August 1990: 12 March 1996.

5,498,276
Powder mix containing improved solid lubricant including polyether gives better green strength and reduces the ejection force.

Hoeganaes Corp. 14 September 1994: 12 March 1996.

5,498,393
Powder forging of Al (alloy) parts.

Honda Gikon/Sumitomo. 9 August 1993: 12 March 1996.

5,498,483
Wear-resistant sintered alloy for valve seats has a ferrous matrix with good ductility, with hard particles dispersed in it.

Sumitomo Elec. Ind. 9 November 1994: 12 March 1996.

5,500,289
Hardmetal made from a mix containing Ta/Nb oxide, powdered carbon, etc.

Iscar Ltd. 15 August 1994: 12 March 1996.

5,501,728
Friction material with enhanced wear resistance contains fibrous material, Fe powder, inert fillers and binders and a metal sulphide.

Brake Pro Inc. 22 July 1994: 26 March 1996.

5,501,833
Sintered friction material is a Cu-Sn alloy with a dispersion of hard intermetallic particles.

Sumitomo Elec. Ind. 9 August 1993: 26 March 1996.

5,503,653
Sintered Ti carbonitride with improved wear resistance has surface craters and peaks and contains Zr with Co and/or Ni binder.

Sandvik AB. 5 July 1991: 2 April 1996.

5,503,794
Ductile Al-Si alloy made from powder.

General Elec. Co. 27 June 1994: 2 April 1996.

5,503,795
Powder compaction process allowing the formation of undercuts, grooves etc.

Pennsylvania Pressed Metals. 25 April 1995: 2 April 1996.

5,503,796
Formation of extruded particulate material.

Southwire Co. 27 February 1995: 2 April 1996.

5,503,925
Tough, wear-resistant hardmetal based on WC and having carbide(s), nitride(s) and carbo-nitride(s) of metals of Groups IVa, Va and VIa.

Sumitomo Elec. Ind. 5 June 1992: 2 April 1996.

PATENTS: Japan

07-096,694B
Permanent magnets made from RE metal-Fe-Co-M powder produced from supercooled crushed ingot.

Hitachi Metals. 12 September 1985: 18 October 1995.

07-097,717B
Cu powder with a coating of Ag and Ni for use as conductive filler for paints.

Mitsubishi Metal. 21 February 1986:18 October 1995.

07-098,246B
Brake ring for casting machine is sintered SiN with layer of AlN.

NKK Corp. 27 March 1987: 25 October 1995.

07-098,961B
Manufacture of injection moulded and sintered body having a fine hole using a straight pin.

Seiko Denshi Kogyo. 13 March 1989: 25 October 1995.

07-098,962B
Permanent magnets made by moulding powder using paraffin wax or camphor.

Sumitomo Spec. Metals. 1 March 1984: 25 October 1995.

07-098,963B
RE metal magnets produced by sintering in the presence of an oxygen getter such as Ti, Al or Ca.

Tohoku Metal Ind. 31 March 1986: 25 October 1995.

07-098,964B
Superhard body with sintered c-BN layer, contains WC, Ni, Co and Fe.

Showa Denko. 18 February 1987: 15 October 1995.

07-098,965B
Production of inert gas atomized Ti alloy powder.