

Title (en)

METHOD FOR PRODUCTION OF COMPOSITE POWDERS AND COMPOSITE POWDER

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KOMPOSITPULVERN SOWIE KOMPOSITPULVER

Title (fr)

PROCÉDÉ DE PRÉPARATION DE POUDRES COMPOSITES ET POUDRES COMPOSITES CORRESPONDANTES

Publication

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Application

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Abstract (en)

[origin: WO2008031122A1] The invention relates to a method for production of a composite powder, wherein a powder starting material A, comprising at least tungsten and/or molybdenum and/or alloys and/or compounds of said metals is mixed with a powder starting material B, comprising at least Co and/or Fe and/or Ni and/or alloys and/or compounds of said metals, in the mixture an element ratio of tungsten and/or molybdenum to Co and/or Ni and/or Fe is set to the range of 99 : 1 (A:B) to 50 :50 (A:B) wt. % and the powder mixture is subjected to a reduction process in the course of which the charged Co, Fe and/or Ni is covered over by a layer of W and/or Mo. The composite powder obtained thus can be partly carburised, nitrided or carbonitrided in a subsequent process step.

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