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Inventor: Kaczmarek slawomir maksymilian

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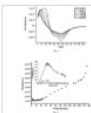
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EP3135784A1



A POWDER MATERIAL WITH MAGNETIC PROPERTIES AND THE METHOD OF PREPARATION OF THE POWDER MATERIAL WITH MAGNETIC PROPERTIES TO BE USED FOR MANUFACTURING COMPOSITE PRODUCTS [Application](#)

Publication/Patent Number: EP3135784A1 Publication Date: 2017-03-01

Application Number: EP15401501.1 Filing Date: 2015-09-22

Inventor: Biedunkiewicz, Anna Krawczyk, Marta Figiel, Pawel Gabriel-pórolniczak, Urszula Bodziony, Tomasz Skibinski, Tomasz Kaczmarek, Slawomir Maksymilian

Assignee: Zachodniopomorski Uniwersytet Technologiczny w Szczecinie

Agency: Zawadzka, Renata

IPC: C22C29/06

Abstract: A material in the form of a powder with magnetic properties, according to the invention, is characterised in that it is a nano-structural cermet powder in a Ti-Mo-C-Ni system and it comprises 6-70 mass% nickel in proportion to the sum of the mass of constituent elements containing molybdenum and titanium carbides, with the Mo/Ti ratio between 0.1 and 0.4 g/g. The method of preparation of the material in the form of a powder with magnetic properties to produce composite products by mixing and soaking powders, characterised in that nano-structural powders of molybdenum oxide and titanium oxide with the MoO3/TiO2 mass content of 0.1-0.4 and a carbon material in the amount of above 45 mass% are mixed, and then a nickel powder in the amount of 3-40 mass%, relative to the mixture mass of titanium and molybdenum oxides and carbon. Then all constituent elements are ground under inert atmosphere, in ambient temperature to homogenise. The resulting product of grinding is isothermally soaked in the temperature range of 1050 - 1500°C, under inert atmosphere, for 2 - 5 h to produce a nano-structural cermet powder in the Ti-Mo-C-Ni system.

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PL213405B1



Oxosalt in a two-component system of cadmium molybdate (VI) and metal molybdates (VI) and process for the preparation of oxosalts in two-component system of cadmium molybdate (VI) and metal molybdates (VI) [Patent](#)

Publication/Patent Number: PL213405B1 Publication Date: 2013-03-29

Application Number: PL38882709 Filing Date: 2009-08-18

Inventor: Tomaszewicz, Elzbieta Kaczmarek, Slawomir Maksymilian Fuks, Hubert

Assignee: ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

IPC: C01F17/00

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PL213404B1



Process for the preparation of oxosalts in a two-component system of cadmium molybdate (VI) and metal tungstates (VI) [Patent](#)

Publication/Patent Number: PL213404B1 Publication Date: 2013-03-29

Application Number: PL38912909 Filing Date: 2009-09-25

Inventor: Dabrowska, Grazyna Tomaszewicz, Elzbieta Kaczmarek, Slawomir Maksymilian Fuks, Hubert

Assignee: ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

IPC: C01F17/00

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PL388827A1



Oxosalt in a two-component system of cadmium molybdate (VI) and metal molybdates (VI) and process for the preparation of oxosalts in two-component system of cadmium molybdate (VI) and metal molybdates (VI) [Application](#)

Publication/Patent Number: PL388827A1 Publication Date: 2011-02-28

Application Number: PL38882709 Filing Date: 2009-08-18

Inventor: Tomaszewicz, Elzbieta Kaczmarek, Slawomir Maksymilian Fuks, Hubert

Assignee: ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

IPC: C01F17/00

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PL389129A1



Process for the preparation of oxosalts in a two-component system of cadmium molybdate (VI) and metal tungstates (VI) [Application](#)

Publication/Patent Number: PL389129A1 Publication Date: 2011-03-28

Application Number: PL38912909 Filing Date: 2009-09-25

Inventor: Dabrowska, Grazyna Tomaszewicz, Elzbieta Kaczmarek, Slawomir Maksymilian Fuks, Hubert

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IPC: C01F17/00