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(54) **Powder metallurgical composition and process for manufacturing nanofiber reinforced powder metallurgy product from the same**

(57) According to the invention a powder metallurgical powder composition is provided that comprises as a base material non-agglomerating metallic and/or metal oxide and/or metal carbide grains with a mean grain size of 0.01-5 mm and a high melting point lubricant admixed to the base material in powdery form in the amount of 0.01-10% calculated per unit mass of the base material. The melting temperature of said high melting point lubri-

cant is at least 550 degrees Celsius, but lower than the melting temperature of the grains that have the lowest melting temperature in the base material. The high melting point lubricant comprises as a major component inorganic silica (SiO₂) and additionally at least one further oxide selected from the group of inorganic alkali metal oxides, inorganic alkali-earth metal oxides and inorganic semimetal oxides differing from silica.

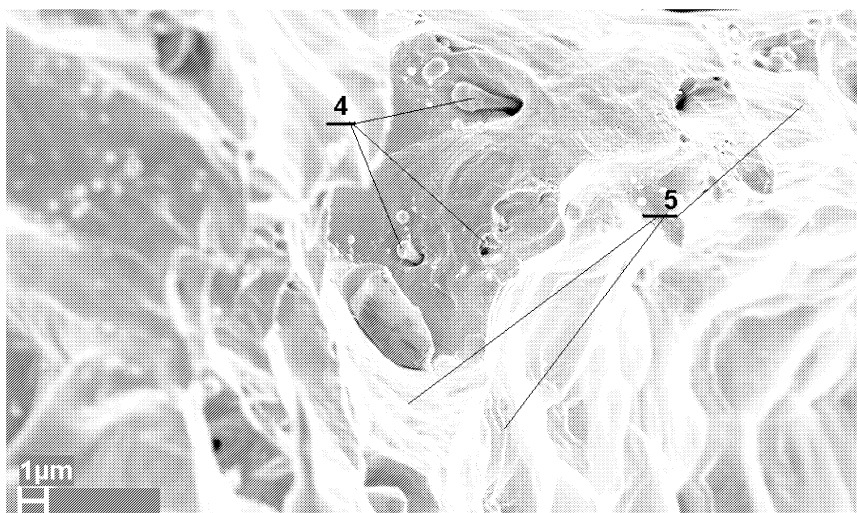


Figure 2



EUROPEAN SEARCH REPORT

Application Number
EP 10 17 5876

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 8 April 2014	Examiner Ceulemans, Judy
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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