

Title (en)

Method to produce a metallic powder for making wear-resistant coatings

Title (de)

Verfahren zur Herstellung eines metallischen Pulvers für die Erzeugung von verschleissfesten Oberflächenschichten

Title (fr)

Procédé pour la production d'une poudre métallique pour la fabrication des revêtements résistant à l'usure

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0608468A1] The invention relates to a metallic powder for making wear-resistant surface layers by means of a thermal spray process, which powder consists of one or more transition metals, in particular predominantly of nickel or iron, and in each case chromium as alloy element and which, in addition, contains at least one metalloid, especially boron, carbon, silicon or phosphorus. The characterising feature of the powder is that the powder grains contain occlusions which consist of sintered particles derived from the particular metalloid. The invention also relates to a preparation process for the powder and to a preferred application technology.

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IPC 8 full level

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