

Title (en)

METHOD FOR MANUFACTURING METAL PARTS AND METAL PARTS OBTAINED USING SPS SINTERING

Title (de)

VERFAHREN ZUR HERSTELLUNG VON METALLTEILEN UND METALLTEILEN, DIE DURCH SPS-SINTERN ERHALTEN WERDEN

Title (fr)

PROCÉDÉ DE FABRICATION DE PIÈCES MÉTALLIQUES ET PIÈCES MÉTALLIQUES OBTENUES À BASE DE FRITTAGE SPS

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Application

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Abstract (en)

[origin: WO202208032A1] The invention relates to a method for manufacturing a metallurgical part, characterized by the following steps: - using a powder of a metallurgical material having a particle size of less than 400 micrometers, - reducing the size of the grains and/or crystallites of the powder so as to obtain clusters having a characteristic size of less than 1000 micrometers, and a mean crystallite size of less than 200 nanometers, - sintering the reduced powder using an SPS sintering method, so that the metallurgical part obtained has a Vickers hardness of greater than 320 Hv.

IPC 8 full level

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