

Title (en)

THERMAL SPRAY MATERIAL, METHOD FOR MANUFACTURING SAME AND THERMAL SPRAYING METHOD

Title (de)

WÄRMESPRITZMATERIAL, VERFAHREN ZU DESSEN HERSTELLUNG UND WÄRMESPRITZVERFAHREN

Title (fr)

MATÉRIAU DE PULVÉRISATION THERMIQUE, SON PROCÉDÉ DE FABRICATION ET PROCÉDÉ DE PULVÉRISATION THERMIQUE

Publication

**EP 3263734 B1 20200408 (EN)**

Application

**EP 16755069 A 20160115**

Priority

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- JP 2016051077 W 20160115

Abstract (en)

[origin: EP3263734A1] Thermal spraying may be readily carried out using fine particles which were difficult to be handled in the conventional art by using particles of a resin containing the fine particles of a ceramic or a metal as a material for thermal spraying. To produce a material for thermal spraying, the fine particles are dispersed in a liquid resin, and a cured material obtained by curing the mixture is pulverized to obtain a material for thermal spraying which contains particles having a particle diameter within a target particle diameter range, and these operations are repeated. In the second or later time production of a material for thermal spraying, over-pulverized particles which were obtained in a completed pulverization step of a cured material and have a particle diameter below the target particle diameter range are also added to a liquid resin and are dispersed in the step for dispersing fine particles in a liquid resin. Accordingly, the yield rate of a material for thermal spraying produced from the fine particles and the resin may be improved by recycling the over-pulverized particles which are too small to be used as a material for thermal spraying in a next time or later production of a material for thermal spraying.

IPC 8 full level

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CPC (source: EP US)

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