

Title (en)

IRON-BASED SPRAY MATERIAL, METHOD FOR PRODUCING A SPRAY MATERIAL, THERMAL SPRAY LAYER, AND SPRAYING METHOD

Title (de)

SPRITZWERKSTOFF AUF EISENBASIS UND VERFAHREN ZUR HERSTELLUNG EINES SPRITZWERKSTOFFS, SOWIE THERMISCHE SPRITZSCHICHT UND SPRITZVERFAHREN

Title (fr)

MATÉRIAU DE PROJECTION À BASE DE FER ET PROCÉDÉ DE PRODUCTION D UN MATÉRIAU DE PROJECTION, COUCHE DE PROJECTION THERMIQUE ET PROCÉDÉ DE PROJECTION

Publication

EP 2451987 A1 20120516 (DE)

Application

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Priority

EP 2009058565 W 20090707

Abstract (en)

[origin: WO2011003439A1] The invention relates to an iron-based spray material for thermally coating a substrate, in particular for thermally coating a running surface of a cylinder of a reciprocating internal combustion engine, wherein the spray material comprises FeTiO₃ as a base material. According to the invention, the spray material comprises at least one first solid lubricant made of a sulfide and a second solid lubricant made of a fluoride. The invention further relates to a method for producing a spray material, to a spray wire, in particular to a spray filler wire for use in a thermal wire spraying method, to an iron-based thermal spray layer, in particular for a running surface of a cylinder of a reciprocating internal combustion engine, to a spraying method for producing a thermal spray layer, to the use of a powder material and to a spray wire to produce a thermal spray layer.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2011003439A1

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DOCDB simple family (application)

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