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(54) **Process for producing multilayer coating with high abrasion resistance**

(57) Procedure to obtain multilayer coatings with high wear resistance, in particular for light alloy metal materials and for metal matrix composite materials, wherein the material to be coated is subjected to the following operations: a) surface deposition, using thermal spray techniques, of a first cermet coating, with thickness

ranging from 20 to 600 μm ; b) surface finishing treatment; c) deposition on the first coating, using vapour phase deposition techniques, of a second nitride or carbon coating, with thickness ranging from 1 to 10 μm .

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EUROPEAN SEARCH REPORT

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Place of search		Date of completion of the search	Examiner
Munich		21 December 2006	GONZALEZ-JUNQUERA, J
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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