

Title (en)
Method of depositing a MCrAlY bond coating

Title (de)
Verfahren zur MCrAlY-Haftungsbeschichtung

Title (fr)
Procédé pour la déposition d'un couche de liaison à base de MCrAlY

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Application
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Priority
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Abstract (en)
It is disclosed a method of depositing a bond MCrAlY-coating to a surface of an article for increasing the roughness for enhanced TBC adhesion. First, an inner layer on top of the surface of the article consisting of gamma / gamma '-MCrAlY is deposited using powder in the size range from 5 to 65 mu m. Second, an outer bond coating layer on top of the inner layer consisting of beta -NiAl or gamma / beta -MCrAlY or gamma / gamma '-MCrAlY is deposited using powder in the size range from 30 to 125 mu m.

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C23C 4/02 (2013.01); **C23C 28/022** (2013.01); **C23C 28/028** (2013.01)

Citation (search report)
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• [A] DATABASE INSPEC [online] INSTITUTE OF ELECTRICAL ENGINEERS, STEVENAGE, GB; GUDMUNDSSON B ET AL: "Structure formation and interdiffusion in vacuum plasma sprayed CoNiCrAlY coatings on IN738LC", XP002181289, Database accession no. 3204625 & MATERIAL SCIENCE AND ENGINEERING, APRIL 1988, SWITZERLAND, vol. 100, pages 207 - 217, ISSN: 0025-5416

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