

Title (en)

A turbo machine component and a method of coating a turbo machine component

Title (de)

Komponente einer Turbomaschine und Verfahren zum Beschichten einer Turbomaschinenkomponente

Title (fr)

Composant de turbomachine et procédé de revêtement d'un composant de turbomachine

Publication

EP 2857546 A1 20150408 (EN)

Application

EP 13187123 A 20131002

Priority

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Abstract (en)

A turbo machine component and a method of coating a turbo machine component with bond coats is disclosed. The method comprises the steps of coating a first region of the turbo machine component with a first bond coat and coating a second region of the turbo machine component with a second bond coat, wherein during operation of the turbo machine component the first region has lower thermal loading than the second region and the first bond coat has a lower thermal load bearing capacity than the second bond coat. The invention also discloses an interface zone on the turbo machine component where the first and the second regions interface. The interface zone is first coated with the first bond coat and thereafter coated with the second bond coat such that the two bond coats overlap and form a composite bond coat. The thickness of the composite bond coat in the interface zone matches a thickness of the first bond coat and the second bond coat on either sides of the interface zone.

IPC 8 full level

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Citation (search report)

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