

Title (en)  
APPARATUS AND METHOD FOR MASKING A COMPONENT ZONE

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM MASKIEREN EINER BAUTEILZONE

Title (fr)  
DISPOSITIF ET PROCÉDÉ DE MASQUAGE D'UNE ZONE D'UN ÉLÉMENT

Publication  
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Abstract (en)  
[origin: WO2010031370A1] The present invention relates to an apparatus (1) and to a method for masking a component zone which is to be omitted by the spray jet during the thermal spraying of a component (2), wherein the apparatus (1) can be elastically deformed at least partially at room temperature for attachment to the component (2), wherein during the thermal spraying operation the apparatus (1) has at least one inelastic region such that the impinging spray particles adhere to the surface thereof, and wherein after the thermal spraying operation the apparatus (1) can be removed from the covered component zone without leaving any residue. The invention further relates to a method for masking a component zone during the thermal spraying of a component (2) and to the use of the apparatus (1) according to the invention and of the method according to the invention particularly for producing, repairing or coating in particular components (2), of gas turbines or aircraft engines. In this way, a simple, reusable solution is created, which avoids the disadvantages of the prior art.

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