

Title (en)

METHOD FOR COLD GAS DYNAMIC SPRAYING USING A MASK

Title (de)

VERFAHREN ZUM KALTGASSPRITZEN MIT MASKE

Title (fr)

PROCÉDÉ DE PROJECTION DE GAZ FROID À L'AIDE D'UN MASQUE

Publication

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Application

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Abstract (en)

[origin: CA2975774A1] The invention relates to a method for coating a carrier component (11) by cold gas dynamic spraying. According to the invention, a mask (12) is be used in said method. According to the invention, at least one further mask (12a) is used in addition to the mask (12), wherein the masks thus have a smaller thickness. Therefore, the mask openings can be completely filled with material (14), even when the flow conditions of the cold gas jet (16) that exist in the mask openings (13) are taken into account. In order to be able to lay the masks (12, 12a) one on the other, excess material (14) according to the invention is removed from the surface (18) of the particular mask (12, 12a) used and from above the mask opening between the coating steps. Advantageously, structures that are very high in relation to the areal extent thereof and nevertheless have perpendicular side walls (columnar structure) can be created by means of the method according to the invention.

IPC 8 full level

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Citation (search report)

See references of WO 2016124362A1

Cited by

US11898986B2; US11935662B2; US11662300B2

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