

Title (en)

METHOD OF FORMING A PROTECTIVE STRUCTURE ON A TURBOMACHINE BLADE

Title (de)

VERFAHREN ZUR FORMUNG EINER SCHUTZSTRUKTUR AUF EINER TURBOMASCHINENSCHAUFEL

Title (fr)

PROCÉDÉ DE FORMATION D'UNE STRUCTURE DE PROTECTION SUR UNE AUBE DE TURBOMACHINE

Publication

EP 3322832 B1 20210825 (EN)

Application

EP 16736885 A 20160711

Priority

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- EP 2016066445 W 20160711

Abstract (en)

[origin: WO2017009295A1] A turbomachine blade (1) is provided with an airfoil portion (2) having a leading edge (3) and a trailing edge (4) and first and second sides (5, 6) connecting the leading edge (3) and the trailing edge (4), and with a protective structure comprising a protective edging (7) and first and second protective stripes (8, 9); the protective edging (7) is located on the leading edge (3); the first protective stripe (8) is located on the first protective side (5) and adjacent to the edging (7); the second protective stripe (9) is located on the second protective side (6) and adjacent to the edging (7); the edging (7) is formed by laser cladding or welding or plasma spraying or detonation spraying or wire arc spraying or flame spraying or high velocity oxyfuel coating spraying or warm spraying; the first and second stripes (8, 9) are formed by cold spraying.

IPC 8 full level

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