

Title (en)
OUTER AIRSEAL ABRADABLE RUB STRIP MANUFACTURE METHODS AND APPARATUS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER ABSCHABBAREN DICHTSCHICHT EINER ÄUSSEREN LUFTDICHTUNG

Title (fr)
PROCÉDÉS ET APPAREIL DE FABRICATION DE BANDE DE FROTTEMENT ABRADABLE DE JOINT D'AIR EXTERNE

Publication
EP 3276039 A1 20180131 (EN)

Application
EP 17183877 A 20170728

Priority
US 201615223443 A 20160729

Abstract (en)
A method for applying an abrasible coating, for example to a blade outer airseal (BOAS) substrate, comprises: generating a plasma (15); introducing a matrix-forming first particulate (23) to the plasma (15) at a first location; introducing a second particulate (25) of an organic particulate and/or salt particulate to the plasma (15) at a second location downstream from the first location to mix with the matrix-forming first particulate (23), the second particulate (25) having a characteristic size in the range 6.0 micrometers to 45.0 micrometers; and directing the first particulate (23) and the second particulate (25) to a target (10) to form a coating on the target (10).

IPC 8 full level
C23C 4/18 (2006.01); **B05B 7/22** (2006.01); **C23C 4/067** (2016.01); **C23C 4/073** (2016.01); **C23C 4/134** (2016.01)

CPC (source: EP US)
B05B 7/226 (2013.01 - EP US); **C23C 4/067** (2016.01 - EP US); **C23C 4/073** (2016.01 - EP US); **C23C 4/08** (2013.01 - US); **C23C 4/134** (2016.01 - EP US); **C23C 4/18** (2013.01 - EP US)

Citation (applicant)

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Citation (search report)

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- [Y] GB 2152079 A 19850731 - UNITED TECHNOLOGIES CORP
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 17183877 A 20170728; US 201615223443 A 20160729