

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 B1 20210317 (EN)

Application

EP 17183877 A 20170728

Priority

US 201615223443 A 20160729

Abstract (en)

[origin: EP3276039A1] 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)

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