

Title (en)

MATERIAL ADDITIVE MODULE AND A METHOD OF RENEWING MATERIAL IN WORN AREAS FOR GROUND MOVING PARTS

Title (de)

MATERIALADDITIVMODUL UND VERFAHREN ZUR ERNEUERUNG VON MATERIAL IN VERSCHLISSENEN BEREICHEN FÜR ERDBEWEGUNGSTEILE

Title (fr)

MODULE D'ADDITIF DE MATÉRIAU ET PROCÉDÉ DE RENOUVELLEMENT DE MATÉRIAU DANS LES ZONES USÉES POUR LES PIÈCES MOBILES AU SOL

Publication

EP 4050161 A1 20220831 (EN)

Application

EP 21159682 A 20210226

Priority

EP 21159682 A 20210226

Abstract (en)

A method of adding at least one wear protection region to a ground moving part comprising the steps of: providing a pre-use 3D image of the part; 3D scanning the geometry of the part after use to provide an after-use 3D image; comparing the after-use 3D image to the pre-use 3D image; calculating and identifying the positions and areas of one or more worn areas; selectively adding at least one wear protection region to or adjacent to the one or more worn areas on the part. Also, a module for selectively applying at least one wear protection region to a ground moving part for renewing wear resistance comprising: a 3D scanning device for producing an after-use 3D image and optionally also a pre-use 3D image; a computer system for comparing the pre-use 3D image and the after-use 3D image and processing the data to identify one or more worn areas; a wear protection additive

IPC 8 full level

E02F 3/14 (2006.01); **E02F 9/28** (2006.01)

CPC (source: EP)

E02F 9/267 (2013.01); **E02F 9/2883** (2013.01); **E02F 9/2891** (2013.01)

Citation (search report)

- [XYI] WO 2020237324 A1 20201203 - CQMS PTY LTD [AU]
- [Y] US 2013035874 A1 20130207 - HALL DAVID R [US], et al
- [Y] US 9856629 B1 20180102 - KUNZ PHILLIP JOHN [US]
- [A] US 2017356165 A1 20171214 - SERRURIER DOUG [US], et al

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)

EP 4050161 A1 20220831; AU 2022225651 A1 20230914; CA 3209703 A1 20220901; CL 2023002523 A1 20240202; CN 117337350 A 20240102; CO 2023012614 A2 20231009; MX 2023010040 A 20231122; PE 20231674 A1 20231019; WO 2022180224 A1 20220901

DOCDB simple family (application)

EP 21159682 A 20210226; AU 2022225651 A 20220225; CA 3209703 A 20220225; CL 2023002523 A 20230825; CN 202280017482 A 20220225; CO 2023012614 A 20230925; EP 2022054822 W 20220225; MX 2023010040 A 20220225; PE 2023002447 A 20220225