

Title (en)

Rotor repair method and rotor repair apparatus

Title (de)

Verfahren und vorrichtung zur reparatur eines rotors

Title (fr)

Procédé et dispositif pour réparer un rotor

Publication

EP 2256226 A1 20101201 (EN)

Application

EP 10174475 A 20040823

Priority

- EP 04772022 A 20040823
- EP 10174475 A 20040823

Abstract (en)

A to-be-repaired damaged part, which occurs in a rotor (1), is removed and shaped by machining or grinding (S1). The shaped surface, from which the to-be-repaired damaged part is removed in the step (S1), is roughened by a blasting process (S2). A coating is formed on the surface, which is roughened in the step (S2), by a high-velocity flame spray apparatus (S3). The coating, which is formed in the step (S3), is finished by machining or polishing (S4). A defect inspection is performed to check presence/absence of a defect (S5). A dimensional/quality inspection is performed for the part repaired (S6) in the step (S5).

IPC 8 full level

C23C 4/00 (2006.01); **B05B 13/02** (2006.01); **B23K 9/00** (2006.01); **B23K 9/04** (2006.01); **C23C 4/12** (2006.01)

CPC (source: EP)

B05B 13/0442 (2013.01); **C23C 4/02** (2013.01); **C23C 4/08** (2013.01); **C23C 4/129** (2016.01); **C23C 4/18** (2013.01); **B05B 7/205** (2013.01)

Citation (applicant)

- JP H04232244 A 19920820 - MAZDA MOTOR
- JP H0920975 A 19970121 - NIPPON STEEL CORP, et al

Citation (search report)

- [XY] WO 9942632 A1 19990826 - MONITOR COATINGS & ENG [GB], et al
- [Y] WO 9605331 A1 19960222 - TELATEK OY [FI]
- [T] JP 2000282210 A 20001010 - NAT RES INST METALS

Designated contracting state (EPC)

DE FR GB

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