

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  
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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  
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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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