

Title (en)

Method for repairing the damage in coatings or the damage caused by erosion

Title (de)

Verfahren zur Beseitigung von Beschichtungs- und/oder Erosionsschäden

Title (fr)

Procédé pour réparer les détériorations de couches ou les détériorations faites par l'érosion

Publication

EP 1186847 A3 20031119 (DE)

Application

EP 01116287 A 20010705

Priority

DE 10041114 A 20000822

Abstract (en)

[origin: EP1186847A2] Process for removing coating and/or erosion damage from the inner surface of a barrel (1) of a weapon comprises filling the damaged barrel regions (3) using a coating material (10) after cleaning the inner surface of the barrel; and mechanically processing the inner surface of the barrel by turning, grinding or honing. Preferred Features: The coating material is SiO₂, ZrSiO₄, Mg₂SiO₄ or SiO₂/ZrSiO₄/Al₂O₃. Several layers of the coating material are applied. The coating material is introduced in powder, strip or wire form.

IPC 1-7

F41A 21/22

IPC 8 full level

F41A 21/22 (2006.01)

CPC (source: EP)

F41A 21/22 (2013.01)

Citation (search report)

- [PA] EP 1048921 A2 20001102 - RHEINMETALL W & M GMBH [DE]
- [A] GB 1134271 A 19681120 - HARRY FRIEDMAN
- [A] DE 1281771 B 19681031 - BERGHAUS ELEKTROPHYSIK ANST
- [A] WO 9834440 A1 19980806 - ISRAEL ATOMIC ENERGY COMM [IL], et al
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Cited by

RU2706995C1; CN106435457A

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EP 1186847 A2 20020313; EP 1186847 A3 20031119; EP 1186847 B1 20060329; DE 10041114 A1 20020307; DE 50109351 D1 20060518; ES 2258997 T3 20060916

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