

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 SiO<sub>2</sub>, ZrSiO<sub>4</sub>, Mg<sub>2</sub>SiO<sub>4</sub> or SiO<sub>2</sub>/ZrSiO<sub>4</sub>/Al<sub>2</sub>O<sub>3</sub>. 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
- [A] GB 2070741 A 19810909 - SECR DEFENCE

Cited by

RU2706995C1; CN106435457A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

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

DOCDB simple family (application)

**EP 01116287 A 20010705**; DE 10041114 A 20000822; DE 50109351 T 20010705; ES 01116287 T 20010705