

Title (en)

LIGHTWEIGHT HARDENED PROTECTIVE COATING AND METHOD FOR MAKING AND USING SAME

Title (de)

LEICHTER GEHÄRTETER SCHUTZÜBERZUG SOWIE VERFAHREN ZUR HERSTELLUNG UND VERWENDUNG DESSELBEN

Title (fr)

REVETEMENT PROTECTEUR LEGER DURCI ET SON PROCEDE DE FABRICATION ET D'UTILISATION

Publication

EP 0802952 A1 19971029 (EN)

Application

EP 95921218 A 19950314

Priority

- US 9503261 W 19950314
- US 36996395 A 19950109

Abstract (en)

[origin: WO9621700A1] An improved protective coating is disclosed that hardens to form a lightweight but extremely durable finish for a variety of substrates. The preferred coating comprises a mixture of lightweight comminuted porous expanded polytetrafluoroethylene (PTFE) particles suspended within a base paint mixture. When applied to and cured on a surface, the expanded PTFE particles form an interlocking grid network within the paint which is lightweight, durable, chemical and UV light resistant, and has a low coefficient of friction. The composition of the present invention is particularly suited for applications where a durable but lightweight coating is sought, such as in the aircraft industry.

IPC 1-7

C09D 7/12

IPC 8 full level

B05D 7/24 (2006.01); **C09D 7/48** (2018.01); **C09D 127/18** (2006.01)

CPC (source: EP US)

C09D 7/48 (2017.12 - EP US); **C09D 7/69** (2017.12 - EP US); **C08L 27/18** (2013.01 - EP)

Citation (search report)

See references of WO 9621700A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

WO 9621700 A1 19960718; AU 2635195 A 19960731; CA 2209821 A1 19960718; EP 0802952 A1 19971029; JP H10512312 A 19981124

DOCDB simple family (application)

US 9503261 W 19950314; AU 2635195 A 19950314; CA 2209821 A 19950314; EP 95921218 A 19950314; JP 52162896 A 19950314