

Title (en)

PROTECTION DEVICE COMPRISING ARAMID FABRIC PROTECTION MATS AND APPLICATION OF SUCH A DEVICE

Publication

**EP 0299503 A3 19890412 (DE)**

Application

**EP 88111396 A 19880715**

Priority

DE 3723779 A 19870717

Abstract (en)

[origin: EP0299503A2] Protective device comprising protection mats made of aramid fabric, in which the protection mats are arranged on the inside of an outer wall, consisting of other materials, of an object to be protected and, by means of fastened spacers, can be secured at a specific distance from the inside of the outer wall of the object to be protected, and the use of this device. <IMAGE>

IPC 1-7

**F41H 5/04**; **F41H 5/00**

IPC 8 full level

**F41H 5/013** (2006.01); **F41H 5/04** (2006.01)

CPC (source: EP)

**F41H 5/013** (2013.01); **F41H 5/023** (2013.01); **F41H 5/0464** (2013.01)

Citation (search report)

- [X] GB 2078913 A 19820113 - PETIT CLAUDE
- [Y] US 4186648 A 19800205 - CLAUSEN CAROL W [US], et al
- [Y] US 1418995 A 19220606 - WALLACE ANNE R
- [X] EP 0221794 A1 19870513 - HUTCHINSON SA [FR]
- [Y] US 4522871 A 19850611 - ARMELLINO JR RICHARD A [US], et al
- [Y] US 3859892 A 19750114 - COES SAMUEL H
- [X] US 4664967 A 19870512 - TASDEMIROGLU SERVER [US]
- [X] US 4529640 A 19850716 - BROWN ROBERT M [US], et al
- [X] DE 2839370 A1 19800313 - STAMMEL HEINZ JOSEF
- [X] GB 2099963 A 19821215 - APPRICH HARRY
- [A] DE 2931110 A1 19810219 - MEHLER AG V
- [A] FR 1199137 A 19591211 - TECH DU VERRE TISSE

Cited by

EP0658738A1; FR2663413A1; ES2145657A1; EP1750080A1; AT413445B; EP2942280A1; EP0558626A4; FR2863350A1; US2017057653A1; US9944403B2; EP0572965A1; US5591933A; EP0558636A4; US10640226B2; WO2015170091A1; US8267002B1; US9738395B2; US9975645B2; US10189576B2; WO2007015231A1; WO9119951A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0299503 A2 19890118**; **EP 0299503 A3 19890412**; CH 678225 A5 19910815; DE 3723779 A1 19890126

DOCDB simple family (application)

**EP 88111396 A 19880715**; CH 1588 A 19880105; DE 3723779 A 19870717