

Title (en)  
IMPROVED BLAST RESISTANT FOOTWEAR

Title (de)  
EXPLOSIONSSICHERES SCHUHWERK

Title (fr)  
CHAUSSURE PERFECTIONNEE RESISTANT AUX EXPLOSIONS

Publication  
**EP 0921736 A1 19990616 (EN)**

Application  
**EP 97917498 A 19970325**

Priority  
• SG 9700010 W 19970325  
• SG 9602313 A 19960521

Abstract (en)  
[origin: WO9743919A1] A boot (10) adapted to provide an improved level of protection against explosive blasts is described. In one embodiment, the boot has a sole (12), an upper (11) and a cocoon (13) portion which substantially encloses the foot. The cocoon can be comprised of an aramid weave (21), and/or, a further layer of carbon fibre (22) and/or woven ceramic fibres or ceramic/glass-ceramic woven composite fibres. The sole can incorporate layers of woven aramid and carbon fibres and a deflector plate (23) to provide enhanced protection. In an alternative embodiment, the cocoon can surround the boot and provide a quick and relatively inexpensive means of improving the blast protection to a wearer.

IPC 1-7  
**A43B 7/32**

IPC 8 full level  
**F41H 1/02** (2006.01); **A43B 3/00** (2006.01); **A43B 3/16** (2006.01); **A43B 7/32** (2006.01); **A43B 13/04** (2006.01); **A43B 13/12** (2006.01); **A43B 13/14** (2006.01); **A43B 23/17** (2006.01)

CPC (source: EP)  
**A43B 3/0026** (2013.01); **A43B 3/16** (2013.01); **A43B 7/32** (2013.01); **A43B 13/026** (2013.01); **A43B 13/12** (2013.01)

Citation (search report)  
See references of WO 9743919A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI NL SE

DOCDB simple family (publication)  
**WO 9743919 A1 19971127**; AT E212800 T1 20020215; AU 2579597 A 19971209; AU 714556 B2 20000106; CA 2256454 A1 19971127; CA 2256454 C 20020611; CN 1121831 C 20030924; CN 1219851 A 19990616; DE 69710340 D1 20020321; DE 69710340 T2 20021017; EP 0921736 A1 19990616; EP 0921736 B1 20020206; IL 127190 A0 19990922; IL 127190 A 20021110; JP 2000501313 A 20000208; JP 3127304 B2 20010122; NZ 333351 A 19990629; RU 2176468 C2 20011210; SK 159498 A3 19990611; TR 199802543 T2 19990322

DOCDB simple family (application)  
**SG 9700010 W 19970325**; AT 97917498 T 19970325; AU 2579597 A 19970325; CA 2256454 A 19970325; CN 97194883 A 19970325; DE 69710340 T 19970325; EP 97917498 A 19970325; IL 12719097 A 19970325; JP 54224997 A 19970325; NZ 33335197 A 19970325; RU 98123073 A 19970325; SK 159498 A 19970325; TR 9802543 T 19970325