

Title (en)

BLAST AND FRAGMENT RESISTANT POLYURETHANE BOOT SOLE FOR SAFETY FOOTWEAR

Title (de)

EXPLOSIONS UND ZERSETZUNGSBESTÄNDIGE POLYURETHANSTIFELSOHLE FÜR SICHERHEITSSCHUHE

Title (fr)

SEMELLE EN POLYURETHANE RESISTANTE AUX DEFLAGRATIONS ET A LA PROJECTION DE FRAGMENTS, POUR CHASSURE DE SECURITE

Publication

**EP 0812140 B1 20000510 (EN)**

Application

**EP 96907854 A 19960228**

Priority

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- SG 1995000037 A 19950301

Abstract (en)

[origin: WO9626655A1] A blast and fragment resistant polyester or polyether-based polyurethane boot sole (13) is described, comprising embedded protective material composed of at least one woven polyaramid (Kevlar) layer (18). One or more layers of graphite fibres, ceramic fibres, S-glass fibres or mineral fibres may be also interwoven with or placed between the polyaramid layers.

IPC 1-7

**A43B 7/32**; **A43B 13/12**

IPC 8 full level

**A43B 7/32** (2006.01); **A43B 13/12** (2006.01); **A43B 13/42** (2006.01)

CPC (source: EP KR)

**A43B 3/00** (2013.01 - KR); **A43B 7/32** (2013.01 - EP); **A43B 13/00** (2013.01 - KR); **A43B 13/12** (2013.01 - EP); **A43B 13/42** (2013.01 - EP)

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**WO 9626655 A1 19960906**; AT E192631 T1 20000515; AU 5131396 A 19960918; AU 694636 B2 19980723; CA 2213988 A1 19960906; CA 2213988 C 20000425; CN 1121830 C 20030924; CN 1175888 A 19980311; DE 69608258 D1 20000615; DE 69608258 T2 20001221; EP 0812140 A1 19971217; EP 0812140 B1 20000510; KR 100229887 B1 19991115; KR 19980702053 A 19980715; NO 310541 B1 20010723; NO 973905 D0 19970826; NO 973905 L 19970901; NZ 304186 A 19990429; SG 34208 A1 19961206; TR 199700745 T1 19980321

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