

Title (en)  
JOINT PROTECTOR

Title (de)  
GELENKSCHUTZ

Title (fr)  
PROTECTION POUR ARTICULATIONS

Publication  
**EP 1613182 B1 20071114 (EN)**

Application  
**EP 04726346 A 20040407**

Priority  
• SE 2004000554 W 20040407  
• SE 0301083 A 20030411

Abstract (en)  
[origin: WO2004089132A1] A joint protector (1) for a knee or an elbow including an attachment portion (3) for enclosing the area around the joint with a cut-out into which a cushioning protective pad (2) is attached, wherein the protective pad is provided with grooves (8) for forming sections for increasing its flexibility. The protective pad (2) has, essentially centrally, a positioning portion (5) with an inwardly directed, adapted recess (6) for enclosing, and positioning of the protector relative to, an extreme portion of the joint (i.e. the knee cap, the elbow tip etc). The grooves (8) are turned inwardly for forming a flexible adaptation portion (14, 15...) in a peripheral area with respect to the positioning portion (5). The invention also relates to a protective pad (2).

IPC 8 full level  
**A41D 13/06** (2006.01); **A41D 13/08** (2006.01); **A63B 71/12** (2006.01)

CPC (source: EP)  
**A41D 13/065** (2013.01); **A63B 71/1225** (2013.01); **A41D 13/0568** (2013.01); **A63B 2071/125** (2013.01); **A63B 2208/12** (2013.01)

Citation (examination)  
• GB 2378635 A 20030219 - O'KANE BRIAN [AU], et al  
• FR 2797153 A1 20010209 - INST NAT RECH SECURITE [FR]  
• US 5599290 A 19970204 - HAYES WILSON C [US], et al  
• US 5020547 A 19910604 - STROCK ALVIN E [US]  
• US 1690405 A 19281106 - DU ROCHER JOHN H  
• US 4599747 A 19860715 - ROBINSON BRIAN W [US]  
• DE 19732127 A1 19990128 - GORE W L & ASS GMBH [DE]  
• DE 20207345 U1 20021219 - FEUERBACH GERHARD [DE]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004089132 A1 20041021**; AT E377970 T1 20071115; DE 602004010086 D1 20071227; DE 602004010086 T2 20080911;  
DK 1613182 T3 20080317; EP 1613182 A1 20060111; EP 1613182 B1 20071114; ES 2297410 T3 20080501; NO 20055183 L 20051103;  
NO 326081 B1 20080915; SE 0301083 D0 20030411; SE 0301083 L 20041012; SE 525107 C2 20041130

DOCDB simple family (application)  
**SE 2004000554 W 20040407**; AT 04726346 T 20040407; DE 602004010086 T 20040407; DK 04726346 T 20040407; EP 04726346 A 20040407;  
ES 04726346 T 20040407; NO 20055183 A 20051103; SE 0301083 A 20030411