

Title (en)
KNEE PROTECTION DEVICE

Title (de)
KNIESCHUTZVORRICHTUNG

Title (fr)
DISPOSITIF DE PROTECTION DU GENOU

Publication
EP 3482646 A1 20190515 (EN)

Application
EP 17200983 A 20171110

Priority
EP 17200983 A 20171110

Abstract (en)
A protection device (1) for the protection of a knee or knee protector is described. The protection device (1) includes a support structure (2) surrounding at least partially a knee joint, at least one transformable element (5) able to assume a first condition and a second condition, and one or more tie members (8) able to connect said support structure (2) to said inflatable element (5). In a condition between said first condition and second condition of the transformable element (5), the tie members (8) are in an at least partially stretched condition and are able to exert a pulling action on the support structure (2).

IPC 8 full level
A41D 13/018 (2006.01); **A41D 13/06** (2006.01)

CPC (source: EP)
A41D 13/018 (2013.01); **A41D 13/065** (2013.01)

Citation (applicant)
• WO 2010067288 A1 20100617 - DAINESE SPA [IT], et al
• IT TO20130472 A1 20131215 - SHIMA SEIKI MFG
• WO 2010067289 A2 20100617 - DAINESE SPA [IT], et al

Citation (search report)
• [XAI] US 4872448 A 19891010 - JOHNSON JR GLENN W [US]
• [X] WO 2010036988 A2 20100401 - NIKE INC [US], et al
• [X] WO 2015074070 A1 20150521 - BOA TECHNOLOGY INC [US]
• [A] US 2006267779 A1 20061130 - ISHIKAWA MURIEL Y [US], et al

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IT201900023976A1; JP2020534452A; EP4275769A1; IT202200009335A1; IT201900023964A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 17200983 A 20171110