

Title (en)

APPARATUS AND METHOD FOR STABILIZING A HUMAN ANATOMICAL JOINT

Title (de)

VORRICHTUNG UND VERFAHREN ZUR STABILISIERUNG EINES MENSCHLICHEN ANATOMISCHEN GELENKS

Title (fr)

APPAREIL ET PROCÉDÉ DE STABILISATION D'UNE ARTICULATION ANATOMIQUE HUMAINE

Publication

**EP 4125744 A4 20240228 (EN)**

Application

**EP 21784323 A 20210406**

Priority

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- CA 2021050454 W 20210406

Abstract (en)

[origin: WO2021203191A1] The invention provides a wearable brace garment configured for stabilizing an articulating joint of a wearer. The garment comprises a tension member disposed along a three-dimensional spatial path about the joint in conduits on or within the garment. The tension member comprises a plurality of strands substantially inextensible along a longitudinal direction. The garment further comprises a web portion comprising the strands laterally spread, each strand disposed in a corresponding strand conduit. A tensioner is disposed on the garment and arranged for adjusting a tension in the tension member. A tension evener is disposed on the garment tension-wise in communication with the tensioner and with the strands of the tension member. The tension evener is arranged for evening tension among the plurality of inextensible strands of the tension member within the web portion. The tension evener may comprise a whippetree. In some embodiments the whippetree may be a multi-tier whippetree.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X1] WO 2019113700 A1 20190620 - EMBRACE ORTHOPAEDICS INC [CA]
- [X1] US 2018049903 A1 20180222 - WITHERSPOON KATHERINE GOSS [US], et al
- See also references of WO 2021203191A1

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