

Title (en)

SYSTEM, DEVICES, AND METHODS INCLUDING A SPINAL RESISTANCE ASSEMBLY

Title (de)

SYSTEM, VORRICHTUNGEN UND VERFAHREN MIT EINER WIRBELSÄULENWIDERSTANDSANORDNUNG

Title (fr)

SYSTÈMES, DISPOSITIFS ET PROCÉDÉS COMPRENANT UN ENSEMBLE DE RÉSISTANCE SPINALE

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Application

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Abstract (en)

[origin: WO2019067877A1] Systems, devices, and methods are described for providing, among other things, a neck and spine strengthening device. In an embodiment, the neck strengthening device includes a spinal resistance assembly including at least one resistance component configured to apply a resist force or to resist rotation about a first axis. In an embodiment, the spinal resistance assembly permits lateral neck rotation of a user about the first axis while substantially limiting flexional and extensional movement. In an embodiment, the neck strengthening device includes a device securing assembly configured to physically anchor the device to an anchoring structure. In an embodiment, the neck strengthening device includes a head affixing assembly configured to secure to a head of a user during use. In an embodiment, the strengthening device is instrumented with sensors and an embedded computing system to securely exchange exercise performance and configuration data with local client devices and monitor and record exercise activity and exercise performance data to remote, internet connected serves.

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Citation (search report)

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- [XAI] CN 105457231 A 20160406 - LIN XIAODONG
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Citation (examination)

- WO 2007015096 A2 20070208 - LOACH ANDREW ROBERT [GB]
- See also references of WO 2019067877A1

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