

Title (en)

DEVICE TO ACTIVATE THE CERVICAL MUSCULATURE

Title (de)

VORRICHTUNG ZUR AKTIVIERUNG DER ZERVIKALEN MUSKULATUR

Title (fr)

DISPOSITIF POUR ACTIVER LA MUSCULATURE CERVICALE

Publication

EP 3613477 A1 20200226 (EN)

Application

EP 19192746 A 20190821

Priority

IT 201800008154 A 20180822

Abstract (en)

The invention concerns a device (10; 100) to activate, stimulate or reinforce the cervical musculature, the device (10; 100) comprising an inner structure (30; 130) made of rigid material and provided with a base wall (13) which faces a reference surface (S), an outer structure (20; 120) made of soft material, arranged above the inner structure (30; 130) and defining a support surface (22; 122, 123) which is able to receive and support the cervical spine (R) of a patient (P), mainly develops along a pre-established linear direction (X), has a concave profile according to a cut plane (Y) orthogonal to the pre-established linear direction (X), and at least one force transducer (37) coupled to a central portion (12, 38) of the outer structure (20; 120) and/or of the inner structure (30; 130) and suitable to detect the intensity and/or the direction of the force applied to the support surface (22; 122, 123) by the cervical spine (R) of the patient (P).

IPC 8 full level

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Citation (applicant)

- US 5338276 A 19940816 - JULL GWENDOLEN A [AU], et al
- US 6648838 B1 20031118 - BRANDON LEE [US], et al
- WO 2015061663 A1 20150430 - ARMOUR TECHNOLOGIES INC [US]
- WO 2006097921 A2 20060921 - BACKLIFE LTD [IL], et al
- CN 103169559 A 20130626 - ZHENGZHOU FEILONG MEDICAL EQUIPMENT CO LTD

Citation (search report)

- [XY] US 6648838 B1 20031118 - BRANDON LEE [US], et al
- [XY] WO 2015061663 A1 20150430 - ARMOUR TECHNOLOGIES INC [US]
- [XY] WO 2006097921 A2 20060921 - BACKLIFE LTD [IL], et al
- [XY] CN 103169559 B 20141231 - ZHENGZHOU FEILONG MEDICAL EQUIPMENT CO LTD
- [Y] WO 2010137876 A2 20101202 - MASTI CO LTD I [KR], et al

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