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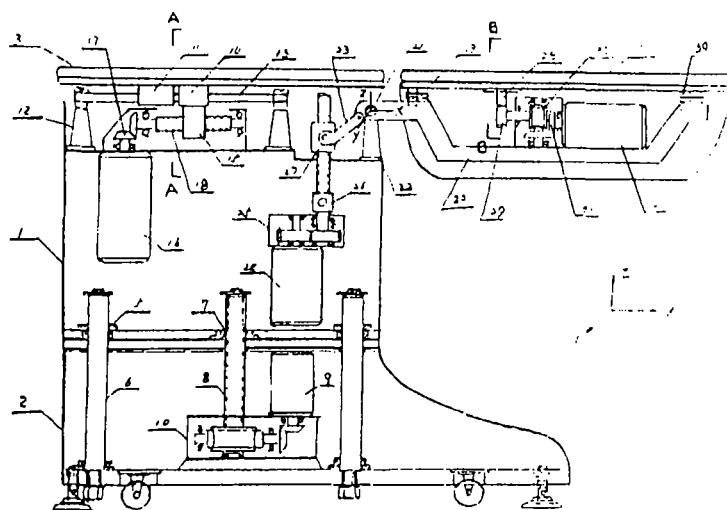
本国际公布:

— 包括国际检索报告。

所引用双字母代码和其它缩写符号, 请参考刊登在每期PCT公报期刊起始的“代码及缩写符号简要说明”。

(54) Title: DIGITIZED CONTROL THREE-DIMENSIONAL SPINAL ORTHOPAEDIC DEVICE

(54) 发明名称: 数控三维正脊仪



ACTION

(57) Abstract: This present invention relates to a digitized control three-dimensional spinal orthopaedic device for cure injured spinal. The device comprises a bed body, a head-chest plate and a breech-leg plate. The bed body has a frame configuration, and comprises a top bed body and a bottom bed body. The head-chest plate is fixed on the top bed body. A traction means of the head-chest plate and a angle means of the breech-leg plate are fixed into the top bed body. The breech-leg plate is supported by a swinging arm. A left-to-right angle means is located under the breech-leg plate. A connecting shaft of the angle mans is connected to the up-to-down swinging arm by a cross rod, so the head-cheat plate is integrated with the breech-leg plate. The present spinal orthopaedic device can enable the bed body to go up and down automatically, the head-chest plate can vibrate and be drawn at a high or low speed, and the breech-leg plate moves up to down, rotates left to right and vibrate. The device can correct the three-dimensional pathologic change of the spine by use of the digitized control, and can employ quantified treatment accurately in order to ensure security and reliability.

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(57) 摘要

一种数控三维正脊仪，是为治疗脊柱损伤性疾病的治疗仪。它包括床身、头胸板、臀腿板。床身为框架结构，它分为上床身和下床身，头胸板安装在上床身上，上床身内安装头胸板的牵引机构和臀腿板的成角机构，臀腿板由摆动支臂支承。臀腿板下部设置有左、右转角机构，成角机构上的连接杆与臀腿板上、下倾角摆动支臂通过横轴连接，使头胸板和臀腿板构为一体。它能实现床身的自动升降，头胸板快速或慢速牵引和抖动，臀腿板上、下倾角和左、右转动及抖动的各项动作，其采用数字化控制，用以纠正病变椎体间的三维方向变化，并能精确量化治疗，确保治疗的安全性和可靠性。