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(54) Title (EN): SEMIAUTOMATIC ANTERIOR ANKLE FOOT ORTHOSIS

(54) Title (FR): ORTHÈSE CHEVILLE/PIED ANTÉRIEURE SEMI-AUTOMATIQUE

(57) Abstract:

(EN): The present invention discloses a semiautomatic anterior ankle foot orthosis that comprises at least one pneumatic cylinder controlled by an electronic circuit wherein the at least one pneumatic cylinder is centrally assembled from the upper portion of the orthosis corresponding to the leg to the instep of the orthosis, or at least two pneumatic cylinders controlled by an electronic circuit wherein the at least two pneumatic cylinders are laterally assembled from the centre of the malleoli as being the articular centre of the ankle. The present invention also discloses a process for manufacturing the semiautomatic anterior ankle foot orthosis.

(FR): La présente invention concerne une orthèse cheville/pied antérieure semi-automatique qui comprend au moins un vérin pneumatique commandé par un circuit électronique, ledit vérin pneumatique étant assemblé de manière centrale à partir de la partie supérieure de l'orthèse correspondant à la jambe jusqu'au cou-de-pied de l'orthèse, ou au moins deux vérins pneumatiques commandés par un circuit électronique, lesdits au moins deux vérins pneumatiques étant assemblés latéralement à partir du centre des malléoles en tant que centre articulaire de la cheville. L'invention concerne également un procédé de fabrication de l'orthèse pied-cheville antérieure semi-automatique.

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