

Title (en)
DEVICE FOR PROVIDING SELF-ADJUSTABLE ARCH-SUPPORT AND METHOD MAKING THE SAME

Title (de)
VORRICHTUNG ZUR BEREITSTELLUNG EINER SELBSTREGELNDEN FUSSGEWÖLBESTÜTZE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
DISPOSITIF POUR FOURNIR UN SUPPORT PLANTAIRE AUTO AJUSTABLE ET PROCÉDÉ DE FABRICATION DE CELUI-CI

Publication
EP 2136666 A4 20120418 (EN)

Application
EP 07782136 A 20070418

Priority
US 2007066891 W 20070418

Abstract (en)
[origin: WO2008130401A1] Device (1) for providing self-adjustable support for a user's foot. The device (1) includes an insole member (2). An inflatable bladder (3) is arranged on the insole member (2) and is configured to generally conform to a portion of the user's foot. An open cellular foam material (5) is arranged in an interior of the inflatable bladder (3). A valve (4) for controlling passage of air into and from the open cellular foam material (5) is contained in the interior of the inflatable bladder (3). A stiffener member (7) is arranged beneath the insole member (2) in an area of the inflatable bladder (3). A method of making a device (1) for providing self-adjustable support for a user is also provided. The method includes forming an inflatable bladder (3) on a support member (2), the inflatable bladder (3) being defined by a material layer of the support member (2) and a stiffener member (7) and comprising an open cellular foam material (5) arranged in an interior of the inflatable bladder (3) and mounting a valve (4) to a wall of the inflatable bladder (3).

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Citation (search report)
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