Title (en)
ORTHOTIC FOOTWEAR AND MANUFACTURING METHOD THEREFOR

Title (de)
ORTHOTISCHE FUSSBEKLEIDUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
CHAUSSURE ORTHOPEDIQUE ET PROCEDE DE PRODUCTION ASSOCIE

Publication
EP 1742600 A1 20070117 (EN)

Application
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Abstract (en)
[origin: WO2005097014A1] An orthotic footwear device comprising in integral combination a sole element (41), a foot support element (40) for receiving a foot (60), and an ankle-foot orthosis element (23, 24, 25), and a manufacturing method therefor are disclosed. According to an embodiment, the ankle-foot orthosis element is made of a lightweight material and comprises a base plate supporting two lateral strut elements extending to a tibia abutment member (11) having a releasable fastener (12) configured to fasten said ankle-foot orthosis element at said tibia abutment member below the knee to a lower limb in use of said orthotic footwear device. The base plate is interposed between said sole element (41) and said foot support element (40), and the lateral strut elements have an inherent flexibility such that propulsion of the limb at toe off is assisted by said flexibility. The foot (60) of a wearer of the orthotic footwear device is also supported for ground-clearance during the gait swing phase when walking with said orthotic footwear device put on.

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