

Title (en)
SMART INSOLE HAVING SUSPENSION FUNCTION OF AUTOMATICALLY CONTROLLING FOOT ARCH HEIGHT AND BODY WEIGHT AND BALANCING FEET, AND NATURAL TREATMENT SHOE FOR CORRECTING BODY SHAPE AND RELIEVING JOINT PAIN BY USING SAME

Title (de)
INTELLIGENTE EINLEGESOHLE MIT AUTOMATISCH FUSSGEWÖLBEHÖHEN- UND -AUSWUCHTENFUNKTION UND NATÜRLICHER BEHANDLUNGSSCHUH ZUR KORREKTUR DER KÖRPERFORM UND LINDERUNG VON GELENKSCHMERZEN

Title (fr)
SEMELLE INTÉRIEURE INTELLIGENTE AYANT UNE FONCTION DE SUSPENSION POUR COMMANDER AUTOMATIQUEMENT UNE HAUTEUR DE VOÛTE PLANTAIRE ET UN POIDS CORPOREL ET ÉQUILIBRER LES PIEDS, ET CHAUSSURE DE TRAITEMENT NATUREL POUR CORRIGER UNE FORME CORPORELLE ET SOULAGER UNE DOULEUR ARTICULAIRE EN UTILISANT CELLE-CI

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Abstract (en)
An arch-adaptive smart insole according to the present invention comprises: an insole cushion foam (10) which has a shape corresponding to the shape of the foot and which is made of an elastic foam; and an arch spring module (20) which is loaded in a first loading well (11) of the insole cushion foam (10), and which supports the arch of the foot by means of the interposition of a closing part (18) of the insole cushion foam (10) for closing the upside of the first loading well (11), wherein the arch spring module (20) comprises at least a first coil spring (21) and a second coil spring (22), and the first coil spring (21) having a diameter smaller than that of the second coil spring (22) is positioned inside the second coil spring (22).

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