

Title (en)

CUSTOMIZABLE SEAT CUSHION AND POSITIONING ASSEMBLY INCLUDING PRESSURE COMPENSATION INSERTS

Title (de)

ADAPTIERBARES SITZKISSEN UND POSITIONIEREINRICHTUNG MIT DRUCKAUSGLEICHSREGELUNGSEINSAATZELEMENTEN

Title (fr)

ENSEMBLE COUSSIN DE SIEGE PERSONNALISABLE ET DE POSITIONNEMENT CONTENANT DES INSERTS DE COMPENSATION DE PRESSION

Publication

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Application

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Abstract (en)

[origin: WO0028933A1] The invention relates generally to a seating system and more particularly to seat cushion assemblies having a rearward depression and cushioning insert tailored to fit under the skeletal structure of the user. In particular, the assembly preferably includes an intermediate insert which fits within a base depression and a cushioning insert which can be a fluid bag, air bag, foam or gel. The insert is generally oval shaped and has a rounded bottom. This enables the cushion to be used to fit under the seating bones so as to provide a proper pelvic tilt. Further, the insert can be moved in order to provide controlled movement of the pelvis over time. A first cushioning insert is generally constructed of a material forming baffles so as to define air chambers and having a right and left seat bone area. A second design has a top and bottom so as to define the fluid envelope separated by central baffle having apertures to allow fluid communication between the right and left portions. In a further aspect, the invention includes tapered wedges which can be removed to lower one side of the leg well and the base cushion to allow for self-proportion on the part of the user. Rigid stabilizers support the edges of the base cushion.

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A61G 5/10

IPC 8 full level

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