

Title (en)

A COMFORTABLE ORTHOPEDIC CHAIR FOR PREVENTION OF SPINAL DISEASES

Title (de)

KOMFORTABLER ORTHOPÄDISCHER STUHL ZUR VORBEUGUNG VON ERKRANKUNGEN DER WIRBELSÄULE

Title (fr)

SIÈGE ORTHOPÉDIQUE CONFORTABLE POUR PRÉVENTION DE MALADIES DE LA COLONNE VERTÉBRALE

Publication

EP 2802241 B1 20181107 (EN)

Application

EP 11794235 A 20111109

Priority

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Abstract (en)

[origin: US2013113264A1] A chair comprises a seat and a seat back made of non-resilient materials. The seat has a shape that matches the natural contours of an occupant's buttocks, thighs, and upper legs, wherein: The seat's concave backward portion connects to the concave lowest portion of the said seat back, creating a dedicated concave zone that contours the occupant's buttocks closely; the seat's concave backward portion has in its center a small hump that contours tightly an occupant's sacrum and coccyx if his buttocks are fitting inside the dedicated concave zone; the seat's forward portion has a wide W-shape that contours the occupant's upper legs: the two concave zones of the seat's W-shaped forward portion contours the back sides of the occupant's upper legs, the center zone of the seat's W-shaped forward portion is convex and snuggles the occupant's thighs; the left side and right side of the seat's W-shaped forward portion are convex so that they contour the outer sides of the occupant's upper legs; the seat is inclined backwardly. The seat back tilts backward to stay at an angle of 135 degrees to the seat and contours the occupant's back, wherein: The seat back's lowest portion is concave to contour the occupant's buttocks; the middle portion that is convex to contour the lumbar vertebrae; the upper portion that is concave to contour the thoracic vertebrae; the top is a headrest to provide support to the occupant's head; the left and right edges of the seat back are convex so that the occupant's back cannot bend left or right.

IPC 8 full level

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