

Title (en)

CHAIR SYSTEM WITH A SUSPENDED BALANCED INCLINATION SEAT ADJUSTABLE BY A BODY WEIGHT ONLY

Title (de)

STUHLSYSTEM MIT EINEM HÄNGESITZ MIT BALANCENEIGUNG, DER NUR DURCH KÖRPERGEWICHT EINSTELLBAR IST

Title (fr)

SYSTEME DE SIEGE A ASSISE SUSPENDUE AJUSTABLE A INCLINAISON EQUILIBREE PAR LE SEUL POIDS DU CORPS

Publication

**EP 1708593 A1 20061011 (FR)**

Application

**EP 04787406 A 20040921**

Priority

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Abstract (en)

[origin: US2006290183A1] The invention relates to a chair system provided with a suspended and relaxing ergonomic seat adjustable by a variable full and secured inclination and balanced by body weight only without any mechanism or locking device. Said invention also relates to a seat system which makes it possible to reach and keep all positions up to a lying position by adjusting a seat length and ergonomically maintaining a body with the aid of the body weight only without force or a mechanism and without running a risk of a rear imbalance. The inventive system consists of a soft ergonomic seat (base) (A), an adjustable length (T 2 ) which is constructed in such a way that it is suspended and sliding (T 5, T 3, T 1 ) on a seat carriage (B 1, B 2, B 3 ) swinging and longitudinally deformable by means of a parallelepipedic deformable structure (P 1, P 2 ) balanced about a longitudinal axis joining the body weight and the centre of the parallelepiped (G, G') on a fixed and non-deformable base (C), independently there from and without the modification thereof Said structure is also provided with an integrated footrest (R) of the safety abutment retainers (S) fixed to the base. This inventive system is intended, in particular for comfortable and practical interior and exterior chairs for private or professional use which can be made of any usual furniture materials.

IPC 8 full level

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CPC (source: EP US)

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