

Title (en)

Side-supporting type folding mechanism for a treadmill

Title (de)

Seitenstützender Faltmechanismus für ein Laufband

Title (fr)

Mécanisme pliable à support latéral pour un tapis roulant

Publication

EP 2127701 B1 20130807 (EN)

Application

EP 08009534 A 20080526

Priority

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Abstract (en)

[origin: EP2127701A1] A side-supporting type folding mechanism for a treadmill having a rotating shaft (20) pivotally disposed at the bottom of a base frame (10) of the treadmill. Both sides of the rotating shaft (20) are provided with a wing panel. The other end of the wing panel (21) is supported by a pneumatic cylinder (22). Meanwhile, the center of the wing panel (21) is pivotally connected with a top rod (23) such that another end of the top rod (23) pushes a rotating disc (24) movable with the handrail (19). In addition, the center of the rotating shaft (20) is connected with an auxiliary support (26) having ground-touching rollers (25). Meanwhile, the pivot joints (A, B, C, D) among the pneumatic cylinder (22), the wing panel (21) and the top rod (23) are disposed at a position of the same axle line. In this way, a potential great shear stress created between the supporting elements can be eliminated when the treadmill is folded in a folded position. Thus, the service life of the supporting elements can be extended.

IPC 8 full level

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CPC (source: EP)

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