

Title (en)

Displacement detector of a platform for an exercise apparatus

Title (de)

Verschiebungsdetektor einer Plattform für ein Übungsgerät

Title (fr)

Détecteur de déplacement d'une plateforme pour un appareil d'exercice

Publication

**EP 1530985 A1 20050518 (EN)**

Application

**EP 03025958 A 20031113**

Priority

EP 03025958 A 20031113

Abstract (en)

A displacement detector of a platform (30) for an exercise apparatus includes a rope (25) movably tensioned by a rotating element (26) between fixed points (23, 24) on a base (20) and a upright support (21) , respectively. When the platform (30) is forced to move upwardly and downwardly, the rotating element (26) undergoes an in-place rotation by the pulling force of the rope (25). Thereafter, a means for detecting the rotational displacement of the rotating element (26), which corresponds to the supporting force of the cushioning elements, is positioned beside the rotating element (26) on the platform (30) . Then, the detected value is transmitted to a microprocessor in the control console (22). <IMAGE>

IPC 1-7

**A63B 22/02**; **A63B 24/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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