

Title (en)
A resistance mechanism for an exercising device

Title (de)
Gegenhaltmechanismus für ein Übungsgerät

Title (fr)
Mécanisme de résistance pour un appareil d'exercice

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Abstract (en)
[origin: EP0870520A2] A resistance mechanism for an exercising device includes a frame, a bi-directional electric motor installed on the frame and provided with an output axle, a pulley fixedly mounted on the output axle and formed with two parallel circular grooves, an idle wheel rotatably arranged on the frame, a first belt having one end connected with one of the grooves of the pulley and wound thereon in a direction, a second belt having one end connected with another one of the grooves of the pulley and wound thereon in an opposite direction and engaged with the idle wheel, and an oscillating arm having one end pivotally connected with the axle of the exercising device and another end fixedly connected with another end of the first belt and another end of the second belt, whereby a resistance force will be applied to the axle when the electric bi-directional motor is turned on. <IMAGE>

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• [A] GB 2157578 A 19851030 - WESTON PAUL ANDREW
• [A] EP 0190065 A1 19860806 - CHAMPAVIER LOUIS [FR]
• [A] EP 0737491 A1 19961016 - KUO HAI PIN [TW]
• [A] GB 2130899 A 19840613 - SCHNELL JOSEF

Cited by
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