

Title (en)
Flexibly coordinated stationary exercise device

Title (de)
Stationäres Übungsgerät für flexibel koordinierte Bewegungen

Title (fr)
Appareil d'entraînement stationnaire à coordination flexible du mouvement

Publication
EP 1036577 A3 20020313 (EN)

Application
EP 00301990 A 20000310

Priority

- US 27173399 A 19990318
- US 29834999 A 19990423

Abstract (en)
[origin: EP1036577A2] The flexibly coordinated stationary exercise device (10) includes a frame (12) which has a forward upright member (20). The axle mounts (30) and (32) are attached to the rear region of the frame (12) and support a transverse axle (36) which is preferably operatively connected to a flywheel (38). The ends of the transverse axle (36) rotatably engage left and right crank arm assemblies (50) and (52) that are coupled to the left and right foot links (60) and (70) so that the foot links travel in an arcuate reciprocal path as the transverse axle rotates. The foot links are operatively connected to swing arm mechanisms (80) and (90), which in turn are rotatably connected to the forward upright member (20) at pivot points (84) and (94). The swing arm mechanisms further contain hand-gripping portions (82) and (92), and the foot links further contain foot support portions (66) and (76). Flexibly coordinating members (100) are incorporated in the linkage between each respective hand-gripping portion and foot support portion to substantially and resiliently link the movement of the foot support portions to the movement of the hand-gripping portions, while permitting some degree of uncoordinated motion between the foot support portions and the hand-gripping portions. <IMAGE>

IPC 1-7
A63B 23/04

IPC 8 full level
A63B 23/04 (2006.01); **A63B 21/22** (2006.01)

CPC (source: EP)
A63B 22/001 (2013.01); **A63B 22/0664** (2013.01); **A63B 21/225** (2013.01); **A63B 2022/067** (2013.01)

Citation (search report)

- [A] US 5848954 A 19981215 - STEARNS KENNETH W [US], et al
- [A] US 5857941 A 19990112 - MARESH JOSEPH D [US], et al
- [A] US 5846166 A 19981208 - KUO HUI KUEI [TW]
- [A] US 3759512 A 19730918 - YOUNT A, et al

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Designated contracting state (EPC)
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EP 1036577 A2 20000920; EP 1036577 A3 20020313; EP 1036577 B1 20051228; AT E314119 T1 20060115; CA 2299979 A1 20000918; DE 60025056 D1 20060202; DE 60025056 T2 20060928; TW 436305 B 20010528

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EP 00301990 A 20000310; AT 00301990 T 20000310; CA 2299979 A 20000306; DE 60025056 T 20000310; TW 89104829 A 20000317