

Title (en)
Exercise apparatus with pneumatic cylinder

Title (de)
Übungsgerät mit Pneumatikzylinder

Title (fr)
Appareil de gymnastique à vérin pneumatique.

Publication
EP 1260249 B1 20051221 (FR)

Application
EP 02358010 A 20020515

Priority
FR 0106692 A 20010521

Abstract (en)
[origin: FR2824741A1] The apparatus has a moving component to which the user applies an effort, connected to a pneumatic cylinder (2) with a piston (57) sliding in a first chamber (54, 58). The first chamber is connected directly to a damping chamber (59) of greater volume through apertures (51) in its end wall. The two chambers are cylindrical in shape and coaxial, with the radius of the second cylinder between 3 and 6 times the radius of the first, giving it a volume at least 5 times greater. The damping chamber is connected by a pipe (47, 62, 63) to an air compressor (48).

IPC 1-7
A63B 21/008

IPC 8 full level
A63B 21/008 (2006.01)

CPC (source: EP)
A63B 21/00072 (2013.01); **A63B 21/00181** (2013.01); **A63B 21/0087** (2013.01)

Cited by
CN110652696A; WO2004062743A1; WO2004062740A1

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EP 1260249 A1 20021127; **EP 1260249 B1 20051221**; DE 60208112 D1 20060126; DE 60208112 T2 20060914; FR 2824741 A1 20021122; FR 2824741 B1 20030704

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