

Title (en)
Gymnastic apparatus for exercising abdominal muscles

Title (de)
Trainingsgerät für die Bauchmuskulatur

Title (fr)
Appareil pour exercice abdominal

Publication
EP 1378269 A1 20040107 (EN)

Application
EP 03012249 A 20030610

Priority
IT MO20020160 A 20020611

Abstract (en)
A gymnastic apparatus for sports exercise, comprising a supporting frame (2), a backrest (3) which is provided with at least one portion (4) for contact with the back of a user during exercise and is supported by the frame so that it can oscillate between an initial configuration and a final configuration, a seat (5) which is supported by the frame in front of the contact portion and below it, and contrast elements (6) which are associated with the backrest and are suitable to apply an action that contrasts the oscillation of the backrest between the initial configuration and the final configuration, the backrest (5) being pivoted to the frame in front of the plane of arrangement of the contact portion. <IMAGE>

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A63B 23/02

IPC 8 full level
A63B 23/02 (2006.01)

CPC (source: EP)
A63B 23/0211 (2013.01); **A63B 2208/0228** (2013.01)

Citation (search report)

- [X] US 4902008 A 19900220 - JONES ARTHUR [US]
- [A] US 5624361 A 19970429 - LAI SHU-CHIUNG [TW]
- [A] US 5669865 A 19970923 - GORDON TRACE O [US]
- [X] US 5300005 A 19940405 - WANG LEO [TW]
- [X] EP 0793929 A1 19970910 - RUDIMEC B V [NL]

Cited by
CN102357286A; DE102012200719A1; DE102012200719B4

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