

Title (en)

Gymnastic machine

Title (de)

Gymnastische Maschine

Title (fr)

Machine pour gymnastique

Publication

EP 1747804 A1 20070131 (EN)

Application

EP 06117613 A 20060720

Priority

IT RA20050029 A 20050729

Abstract (en)

Gymnastic machine (1) having a frame (10) supporting a load unit (20) and including an exercise station (30) having at least one functional group (31) mechanically connected to the load unit (20) to exchange mechanical energy with the load unit (20); the group (31) including at least one articulated quadrilateral (32) coupled to the frame (10) and an implement (40) connected to the articulated quadrilateral (32) and movable with respect to the frame (10) to exchange energy with the load unit (20); the implement (40) being shaped in such a way as to be interfaceable with a particular portion of an extremity of a user and being movable over an open path (P); a restraint device (52) being provided in combination with at least one articulated quadrilateral to control, in use, the displacement of the implement (40) relative to the frame (10) in such a way that, in use, the implement (40) is movable along path (P) according to a substantially curvilinear composite movement.

IPC 8 full level

A63B 21/00 (2006.01); **A63B 23/04** (2006.01); **A63B 69/00** (2006.01)

CPC (source: EP US)

A63B 21/005 (2013.01 - EP US); **A63B 21/151** (2013.01 - EP US); **A63B 21/225** (2013.01 - EP US); **A63B 22/0069** (2013.01 - EP US); **A63B 23/0488** (2013.01 - EP US); **A63B 69/0022** (2013.01 - EP US); **A63B 2022/0071** (2013.01 - EP US); **A63B 2208/0204** (2013.01 - EP US)

Citation (search report)

- [A] WO 9008572 A1 19900809 - SPORT SPECIFIC INC [CA]
- [AD] US 5284460 A 19940208 - MILLER KENNETH [US], et al
- [A] US 2002042329 A1 20020411 - NIZAMUDDIN NASH [CA]
- [A] US 3756595 A 19730904 - HAGUE G

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1747804 A1 20070131; IT RA20050029 A1 20070130; US 2007027001 A1 20070201

DOCDB simple family (application)

EP 06117613 A 20060720; IT RA20050029 A 20050729; US 49499406 A 20060728