



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 89 88 15

Classification of the application (IPC):
A63B 23/02, A63B 23/00

Technical fields searched (IPC):
A63B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	US 3895795 A (MERZ CHRISTOF) 22 July 1975 (1975-07-22) * figures 10-11 *	1-5
Y	US 2013245510 A1 (ZABOROWSKI ABEL B [US]) 19 September 2013 (2013-09-19) * figure 1 *	1-5
Y	US 2007298946 A1 (ZACHARY KYRIACOS M [US]) 27 December 2007 (2007-12-27) * paragraph [0032] - paragraph [0033]; figure 1 *	3, 4
X	US 5800366 A (BERTRAND SCOTT R [US]) 01 September 1998 (1998-09-01) * the whole document *	1-4
A	US 7753829 B1 (SCHALLER BRET [US] ET AL) 13 July 2010 (2010-07-13) * figures *	1
Y	GB 2201350 A (HARROD LIMITED R) 01 September 1988 (1988-09-01) * page 2, lines 23-30; figures *	5
A	US 2010216616 A1 (JENNINGS MICHAEL [US]) 26 August 2010 (2010-08-26) * the whole document *	6
A	US 2009118104 A1 (CHOU CHENG I [US]) 07 May 2009 (2009-05-07) * the whole document *	6

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 21 February 2020	Examiner Squeri, Michele
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 2-4(completely); 1(partially)

Document US3895795 (D1), cited in the Search Report, discloses (Fig. 10-11) an apparatus for use by a person on a support surface, the apparatus comprising: a foot docking station comprising a base plate 51 pivotally fixed to a back plate 47 at a hinge the back plate including a central pivot 52 rotationally fixed with a bottom side of a foot plate; whereby with the base plate fixed with the support surface and the person's feet contacting the foot plate, the foot plate may be rotated by the person to a desired rotational orientation for performing an exercise on the support surface. The subject-matter of claim 1 differs from this known exercise apparatus in that it comprises a shin engagement mechanism including a pair of U-shaped shin pads as claimed. Such a shin engagement mechanism is described in US2013/0245510 (D2) as providing the same advantages as in the present application. The skilled person would therefore regard it as a normal design option to include this feature in the exercise apparatus described in D1 in order to solve the problem of enabling a safer exercise to weak users. The subject-matter of claim 1 is therefore obvious in view of the straightforward combination of D1 and D2. The dependent claims do not have any common or corresponding inventive feature and are not so linked as to form a single general inventive concept, the claims lack unity a posteriori (Art. 82 EPC, GL F-V,7). This application contains the following groups of inventions: Claims 1-4 The subject-matter of the claims 2-4 differs from the known exercising apparatus in that it comprises specific adjustment means, to adjust the position of the foot plate with respect to the base plate.

2. claims: 5-17(completely); 1(partially)

Claims 1, and 5-17 The subject-matter of the claims 5 and 6 are directed to fixing means to stabilize the foot docking station. An adjusting means or a corresponding feature is not comprised in the claims 5 or 6.

All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 21 February 2020	Examiner Squeri, Michele
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 89 88 15

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 21-02-2020
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3895795 A	22-07-1975	CH 547104 A US 3895795 A	29-03-1974 22-07-1975
US 2013245510 A1	19-09-2013	NONE	
US 2007298946 A1	27-12-2007	US 2007298946 A1 WO 2008153973 A2	27-12-2007 18-12-2008
US 5800366 A	01-09-1998	NONE	
US 7753829 B1	13-07-2010	NONE	
GB 2201350 A	01-09-1988	NONE	
US 2010216616 A1	26-08-2010	NONE	
US 2009118104 A1	07-05-2009	NONE	