

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <div style="text-align: center;">G185-0001WO1</div>		FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <div style="text-align: center;">PCT/US2022/020919</div>	International filing date (<i>day/month/year</i>) <div style="text-align: center;">18 March 2022</div>	(Earliest) Priority Date (<i>day/month/year</i>) <div style="text-align: center;">19 March 2021</div>	
Applicant <div style="text-align: center;">GUERTIN, Matthew</div>			

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

☒ the international application in the language in which it was filed.

☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2022/020919

A. CLASSIFICATION OF SUBJECT MATTER

H04N 5/262(2006.01)i; **H04N 9/75**(2006.01)i; **H04N 5/06**(2006.01)i; **G03B 15/05**(2006.01)i; **G03B 17/56**(2006.01)i;
A63B 22/02(2006.01)i; **A63B 22/00**(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04N 5/262(2006.01); A61B 6/00(2006.01); A61B 6/04(2006.01); A61M 21/00(2006.01); A63B 22/00(2006.01);
A63B 22/02(2006.01); B25J 3/04(2006.01); B25J 9/16(2006.01); G06F 15/16(2006.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: treadmill, turntable, vibration, control, film

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2019-0307982 A1 (NEWTON VR LTD.) 10 October 2019 (2019-10-10) paragraphs [0055]-[0271] and figure 14A	17,19,20
Y		1-13
A		14-16,18
Y	KR 10-2020-0091594 A (LEANTECH CMS CO., LTD.) 31 July 2020 (2020-07-31) paragraphs [0016]-[0041]	1-13
A	US 2017-0129105 A1 (KENNETH DEAN STEPHENS, JR.) 11 May 2017 (2017-05-11) claims 1-10	1-20
A	US 2015-0150522 A1 (GEORGE PAPAIOANNOU) 04 June 2015 (2015-06-04) claims 1-10	1-20

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

“A” document defining the general state of the art which is not considered to be of particular relevance

“D” document cited by the applicant in the international application

“E” earlier application or patent but published on or after the international filing date

“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

“O” document referring to an oral disclosure, use, exhibition or other means

“P” document published prior to the international filing date but later than the priority date claimed

“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

“&” document member of the same patent family

Date of the actual completion of the international search

24 June 2022

Date of mailing of the international search report

24 June 2022

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2022/020919

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 10-2021-0023190 A (SO, HO SUNG et al.) 04 March 2021 (2021-03-04) claims 1-10	1-20

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/US2022/020919

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
US	2019-0307982	A1	10 October 2019	IL	265092	A	30 April 2019
				WO	2018-042442	A1	08 March 2018
KR	10-2020-0091594	A	31 July 2020	KR	10-2191218	B1	15 December 2020
US	2017-0129105	A1	11 May 2017	US	2013-0211587	A1	15 August 2013
				US	2013-0211594	A1	15 August 2013
				US	9573276	B2	21 February 2017
				US	9975248	B2	22 May 2018
US	2015-0150522	A1	04 June 2015	EP	2348980	A1	03 August 2011
				US	2010-0098316	A1	22 April 2010
				US	2010-0110075	A1	06 May 2010
				US	2013-0294575	A1	07 November 2013
				US	2017-0049411	A1	23 February 2017
				US	8147139	B2	03 April 2012
				US	8525833	B2	03 September 2013
				US	8770838	B2	08 July 2014
				US	9289180	B2	22 March 2016
				WO	2010-044844	A1	22 April 2010
KR	10-2021-0023190	A	04 March 2021	KR	10-2300669	B1	09 September 2021