

INTERNATIONAL SEARCH REPORT

International application No.
PCT/RU 2019/000473

A. CLASSIFICATION OF SUBJECT MATTER A63B 47/00 (2006.01); A63B 37/00 (2006.01) 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) A63B 21/00, 47/00, 37/00 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PatSearch (RUPTO internal), USPTO, PAJ, Esp@cenet, DWPI, EAPATIS, PATENTSCOPE, Information Retrieval System of FIPS		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4006626 A (JOSEF RUZICKA et al.) 08.02.1977	1-4
A	WO 2014/116282 A1 (UNIVERSITY OF MARYLAND, COLLEGE PARK) 31.07.2014	1-4
A	US 6540620 B1 (JOSEPH CONSIGIO) 01.04.2003	1-4
A	RU 2139118 C1 (PECHATNIKOV JURII TOVEVICH) 10.10.1999	1-4
A	RU 2542085 C1 (FEDERALNOE GOSUDARSTVENNOE BJUDZHETNOE OBRAZOVATELNOE UCHREZHDENIE VYSSHEGO PROFESSIONALNOGO OBRAZOVANIYA "ROSSIISKY GOSUDARSTVENNY UNIVERSITET FIZICHESKOI KULTURY, SPORTA, MOLODEZHI I TURIZMA) 20.02.2015	1-4
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> 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 “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 07 November 2019 (07.11.2019)		Date of mailing of the international search report 14 November 2019 (14.11.2019)
Name and mailing address of the ISA/ RU		Authorized officer
Facsimile No.		Telephone No.