



(43) International Publication Date
12 January 2017 (12.01.2017)

(51) International Patent Classification:

A63B 24/00 (2006.01) A63B 37/00 (2006.01)
A63B 43/00 (2006.01) A63B 71/06 (2006.01)

(21) International Application Number:

PCT/GB2016/052069

(22) International Filing Date:

8 July 2016 (08.07.2016)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1512037.1 9 July 2015 (09.07.2015) GB

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG,
MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC,
SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ,
TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU,
TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE,
DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

16 February 2017

(54) Title: GOLF BALL GAME APPARATUS

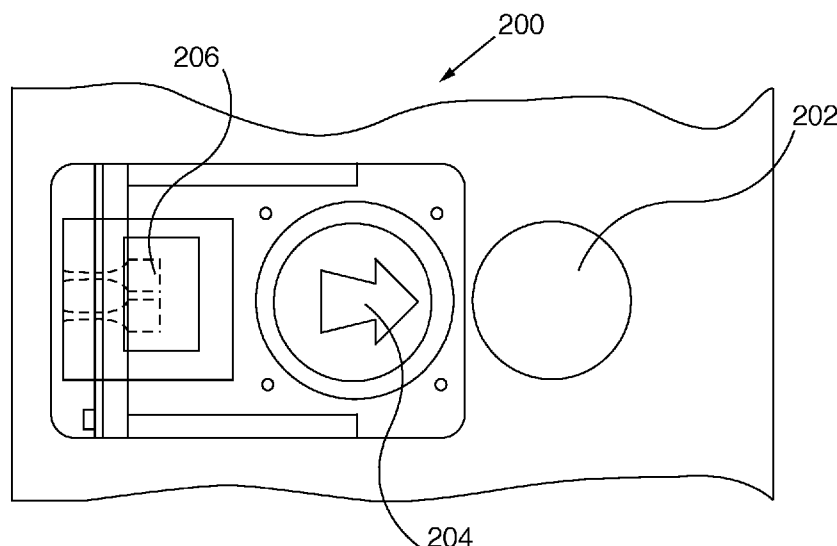


Fig 5

(57) Abstract: A ball game apparatus in which movements of a coded ball (20) are detected by detector units (100, 206) and an automatic indication of a player's score is given, where data relating to the ball (20) are stored in a database connected to the detector units (100, 206), the data including the code of a ball (20) and a code relating to a player to whom the ball (20) has been allocated, the ball (20) being configured to temporarily store, and to intermittently transfer to the detector units (100, 206) and thence to the database, data relating to the ball's movements. A rechargeable battery (40) is contained within the ball (20), and is arranged to be charged by a battery charging system. Features of the game may be controlled by means of a player's mobile telephone.



WO 2017/006133 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2016/052069

A. CLASSIFICATION OF SUBJECT MATTER INV. A63B24/00 A63B43/00 A63B37/00 A63B71/06 ADD.		
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		
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) EPO-Internal, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/228934 A1 (CORZILIUS BRIAN S [US] ET AL) 11 December 2003 (2003-12-11) the whole document	1-10,22
X	WO 2013/156778 A1 (JOLLIFFE DAVID VICTOR [GB]; JOLLIFFE STEVEN PAUL [GB]) 24 October 2013 (2013-10-24) cited in the application the whole document	1-10, 15-18,22
☐ 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 "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 10 January 2017	Date of mailing of the international search report 18/01/2017	
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Haller, E	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2016/052069

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

1-10, 15-17, 22
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10, 22

A ball game apparatus having a database stores data relating to a history of charging cycles

2. claims: 11-14

A ball game apparatus having a mobile communication device

3. claims: 15-17

A ball game apparatus having detector units with varying signal power

4. claims: 18, 19

A ball game apparatus having video cameras

5. claims: 20, 21

A battery charging system

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2016/052069

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