

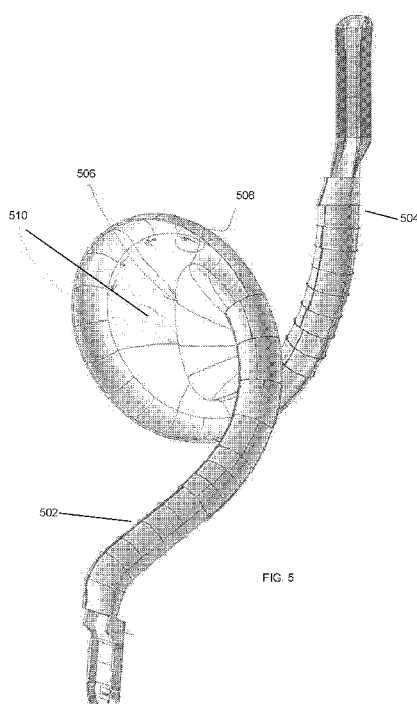


- (51) International Patent Classification:
A63G 21/18 (2006.01)
- (21) International Application Number:
PCT/IB2018/000761
- (22) International Filing Date:
08 June 2018 (08.06.2018)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
62/517,053 08 June 2017 (08.06.2017) US
29/625,616 10 November 2017 (10.11.2017) US
- (71) Applicant: **WHITEWATER WEST INDUSTRIES, LTD.** [CA/CA]; 6700 McMillan Way, Richmond, BC V6W 1J7 (CA).
- (72) Inventors: **CHUTTER, Geoff**; 6700 McMillan Way, Richmond, BC V6W 1J7 (CA). **BRIGGS, Rick**; 6700 McMillan Way, Richmond, BC V6W 1J7 (CA). **BAR-RERA, Claudio**; 6700 McMillan Way, Richmond, BC V6W 1J7 (CA). **KHOMOVSKIY, Andrey**; 6700 McMillan Way, Richmond, BC V6W 1J7 (CA). **BRADLEY, Bruce**; 6700 McMillan Way, Richmond, BC V6W 1J7 (CA).

(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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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).

(54) Title: LOOPING SAUCER AMUSEMENT ATTRACTION AND METHOD FOR MAKING THE SAME



(57) Abstract: A waterslide feature for providing a looping travel path for a rider traveling thereon and method for making the same. The waterslide feature may be in the shape of a tilted bowl or saucer that provides a 360 degree travel path for a rider around the waterslide feature. The rider may experience a feeling of weightlessness at one or more locations (e.g., art apex) of the travel path. The rider may be provided into the tilted bowl by way of an entrance (e.g., flume) and may be received from the tilted bowl by way of an exit (e.g., flume). The orientation of the entrance and exit may be in any of a variety of configurations, such as side-by-side or over-under. Colored fiberglass, lighting elements, and other features may be included to enhance the visual or other impact of the waterslide feature to riders and/or spectators.



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:

14 February 2019 (14.02.2019)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2018/000761

A. CLASSIFICATION OF SUBJECT MATTER
IPC: **A63G 21/18** (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)
A63G 21/18 (2006.01)

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

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

Databases: Questel/Orbit,

Search terms: water_slid+, +bowl+, saucer+, disc+, barrel+, basin+, drum+, cup+, dish+, tub+, basin+ body+, hemispher+, ProSlide, loop+, spiral+, helix+, helical+, ovoid+, egg-shape+, path+, guid+, depression+, dip+, groove+, channel+, variable, vary+, chang+, width

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CA 2 951 552 A1 (HUNTER, R. D.) 17 December 2015 (17-12-2015) *All Figures*	1-16
X	WO 2011057395 A1 (HUNTER, R. D.) 19 May 2011 (19-05-2011) *Figs. 3, 4, 8*	1-5, 11-15
X	US D548,810 S (HUNTER, R. D.) 14 August 2007 (14-08-2007) *All Figures*	1, 2, 6, 11, 12, 16
X	CN 201832417 U (HE, Z.) 18 May 2011 (18-05-2011) *All Figures*	1,2, 11, 12
P,X	WO 2018013063 A1 (OZTURK, A. S.) 18 January 2018 (18-01-2018) *Figs. 3, 4, 8*	1, 2, 11, 12

Further documents are listed in the continuation of Box C.

See patent family annex.

* "A" "E" "L" "O" "P"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date 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) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	"T" "X" "Y" "&"	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 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 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
05 December 2018 (05-12-2018)

Date of mailing of the international search report
05 December 2018 (05-12-2018)

Name and mailing address of the ISA/CA
Canadian Intellectual Property Office
Place du Portage I, C114 - 1st Floor, Box PCT
50 Victoria Street
Gatineau, Quebec K1A 0C9
Facsimile No.: 819-953-2476

Authorized officer

Helena Forbes

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2018/000761

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TR 201205595 A2 (ALTINDAG, B. C.) 21 November 2012 (21-11-2012) *Full Document*	1-16
A	CA 2656749 A1 (BRASSARD, D.P. et al.) 28 August 2009 (28-08-2009) *Full Document*	1-16

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/IB2018/000761

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
CA2951552A1	17 December 2015 (17-12-2015)	CA2951552A1 AU2015274195A1 BR112016029112A2 CN106470744A EP3154649A1 EP3154649A4 JP2017517367A KR20170016492A MX2016016335A RU2017100943A RU2017100943A3 SG11201610338UA USD809618S USD819155S USD819156S US2017106295A1 WO2015188265A1	17 December 2015 (17-12-2015) 05 January 2017 (05-01-2017) 22 August 2017 (22-08-2017) 01 March 2017 (01-03-2017) 19 April 2017 (19-04-2017) 07 March 2018 (07-03-2018) 29 June 2017 (29-06-2017) 13 February 2017 (13-02-2017) 20 July 2017 (20-07-2017) 13 July 2018 (13-07-2018) 03 September 2018 (03-09-2018) 27 January 2017 (27-01-2017) 06 February 2018 (06-02-2018) 29 May 2018 (29-05-2018) 29 May 2018 (29-05-2018) 20 April 2017 (20-04-2017) 17 December 2015 (17-12-2015)
WO2011057395A1	19 May 2011 (19-05-2011)	WO2011057395A1 CA2778601A1 DK2498884T3 EP2498884A1 EP2498884A4 EP2498884B1 ES2669038T3 PL2498884T3 US2012277011A1 US9079111B2 US2015314203A1	19 May 2011 (19-05-2011) 19 May 2011 (19-05-2011) 28 May 2018 (28-05-2018) 19 September 2012 (19-09-2012) 22 May 2013 (22-05-2013) 21 February 2018 (21-02-2018) 23 May 2018 (23-05-2018) 31 August 2018 (31-08-2018) 01 November 2012 (01-11-2012) 14 July 2015 (14-07-2015) 05 November 2015 (05-11-2015)
USD548810S	14 August 2007 (14-08-2007)	USD548810S USD567322S	14 August 2007 (14-08-2007) 22 April 2008 (22-04-2008)
CN201832417U	18 May 2011 (18-05-2011)	None	
WO2018013063A1	18 January 2018 (18-01-2018)	None	
TR201205595A2	21 November 2012 (21-11-2012)	TR201205595A2 CN104349824A CN104349824B CY1117320T1 EP2849862A1 EP2849862B1 ES2562343T3 HRP20160129T1 HUE028494T2 IN9868DEN2014A PT2849862E RS54625B1 RU2571352C1 SI2849862T1 WO2013172801A1	21 November 2012 (21-11-2012) 11 February 2015 (11-02-2015) 17 May 2017 (17-05-2017) 26 April 2017 (26-04-2017) 25 March 2015 (25-03-2015) 23 December 2015 (23-12-2015) 03 March 2016 (03-03-2016) 08 April 2016 (08-04-2016) 28 December 2016 (28-12-2016) 07 August 2015 (07-08-2015) 18 March 2016 (18-03-2016) 31 August 2016 (31-08-2016) 20 December 2015 (20-12-2015) 29 April 2016 (29-04-2016) 21 November 2013 (21-11-2013)

Continued on page 5

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2018/000761

Continued from page 4

CA2656749A1	28 August 2009 (28-08-2009)	CA2656749A1	28 August 2009 (28-08-2009)
		CA2656749C	26 May 2015 (26-05-2015)
		US2009221377A1	03 September 2009 (03-09-2009)
		US7887426B2	15 February 2011 (15-02-2011)
		US2009239671A1	24 September 2009 (24-09-2009)
		US8192291B2	05 June 2012 (05-06-2012)
