

Search strategy

Query

(WAVE GENERATOR AND ARTIFICIAL AND POOL AND PISTON AND SURF AND BARRIER)/TI/AB/CLMS/TX
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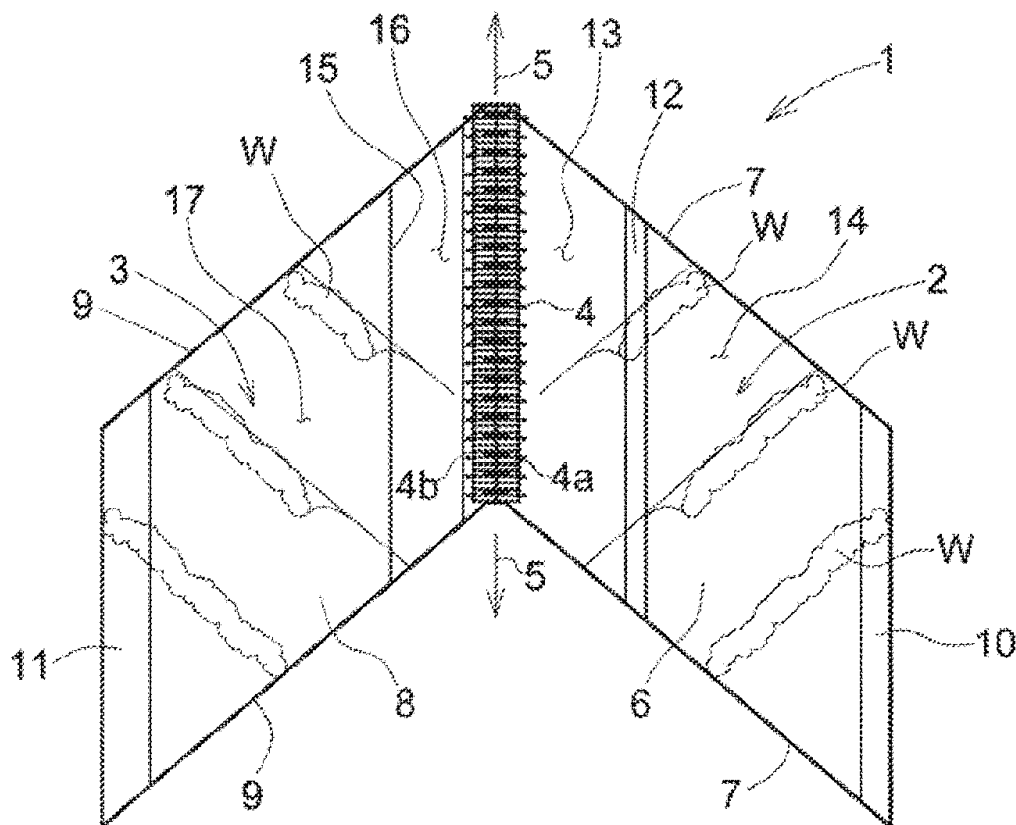
13 Documents

Publication numbers	Title	Current assignees
EP3409337 A2	Wave generator system with a barrier having lateral undulating movement for the generation of waves in two areas of water	INSTANT SPORT
EP3255225 A1	Wave pool	KELLY SLATER WAVE
EP3460145 A1	Surface gravity wave generator and wave pool	KELLY SLATER WAVE
AU2017210646 A1	Surface Gravity Wave Generator and Wave Pool	KELLY SLATER WAVE
EP3559377 A2	Assembly and method for generating waves within a body of water	GRANTHAM PETER, ...
US9920544 B1	Plunger wave generator apparatus for efficiently producing waves in a body of water	BENNETT WALTER JUDSON, ...
US20190226223 A1	Wave Generator System and Method for Free-Form Bodies of Water	KELLY SLATER WAVE
WO2014190314 A2	Wave park	KELLY SLATER WAVE
US10519679 B1	Plunger artificial wave making apparatus	BENNETT WALTER JUDSON
EP2694757 A2	System and method for generating waves in multiple directions	UNIVERSAL CITY STUDIOS
EP1604712 A1	Water amusement system and method	WATER RIDE CONCEPTS
EP2305171 A2	Apparatus and methods for providing sex-sorted animal sperm	INGURAN
EP1436199 A1	Specimen vial sealing apparatus and method	GENERAL PROBE PRODESSE

Family 1/13 - FAMPAT - ©Questel

Title

(EP3409337)

Wave generator system with a **barrier** having lateral undulating movement for the generation of waves in two areas of water**Images****Publication numbers with kind code & date**

CN108601981	B	2020-04-28	CN108601981B
EA035046	B1	2020-04-21	EA--35046
IL259065	B	2019-12-31	IL-259065
US10364584	B2	2019-07-30	US10364584
MX2018005093	A	2019-05-16	MX2018005093
MA42572	B1	2019-03-29	MA--42572
BR112018009025	A8	2019-02-26	BR112018009025
ZA201802718	B	2019-01-30	ZA201802718
JP2019500178	A	2019-01-10	JP2019500178
EA201891112	A1	2018-12-28	EA201891112
EP3409337	A2	2018-12-05	EP3409337
MA42572	A1	2018-11-30	MA--42572
PH12018500961	A1	2018-11-12	PH12018500961
US20180320395	A1	2018-11-08	US20180320395
BR112018009025	A2	2018-10-30	BR112018009025
CL2018001209	A1	2018-10-05	CL201801209
CN108601981	A	2018-09-28	CN108601981



IN201817016592	A	2018-08-10	IN201817016592				
IL259065	A	2018-07-31	IL-259065				
VN58582	A	2018-07-25	VN--58582				
KR20180082496	A	2018-07-18	KR20180082496				
SG11201803736Q	A	2018-06-28	SG11201803736Q				
CO2018005822	A2	2018-06-20	CO2018005822				
PE9242018	A1	2018-06-07	PE201800924				
AU2016348801	A1	2018-05-17	AU2016348801				
BR112018009025	A1	2018-05-15	BR112018009025				
ES2611764	B1	2018-02-16	ES2611764				
AR106607	A1	2018-01-31	AR-106607				
WO2017/077156	A3	2017-10-05	WO201777156				
TW201727023	A	2017-08-01	TW201727023				
CA3003642	A1	2017-05-11	CA3003642				
WO2017/077156	A2	2017-05-11	WO201777156				
ES2611764	A1	2017-05-10	ES2611764				

Abstract

(EP3409337)

Wave generator system (1), comprising a continuous and elongated **barrier** (4) that has a front side (4a) facing a first mass of water (2) fitted with a first reef (12) and a rear side (4b) facing a second mass of water (3) fitted with a second reef (15). The **barrier** (4) can move along the length (L) with a serpentine movement, and the front (4a) and rear sides (4b) push water from the masses of water (2, 3) towards the respective reefs (12, 15) for the formation of waves in the first mass of water (2) and in the second mass of water (3).

Inventors

ODRIOZOLA SAGASTUME JOSÉ MANUEL

Latest standardized assignees - inventors removed

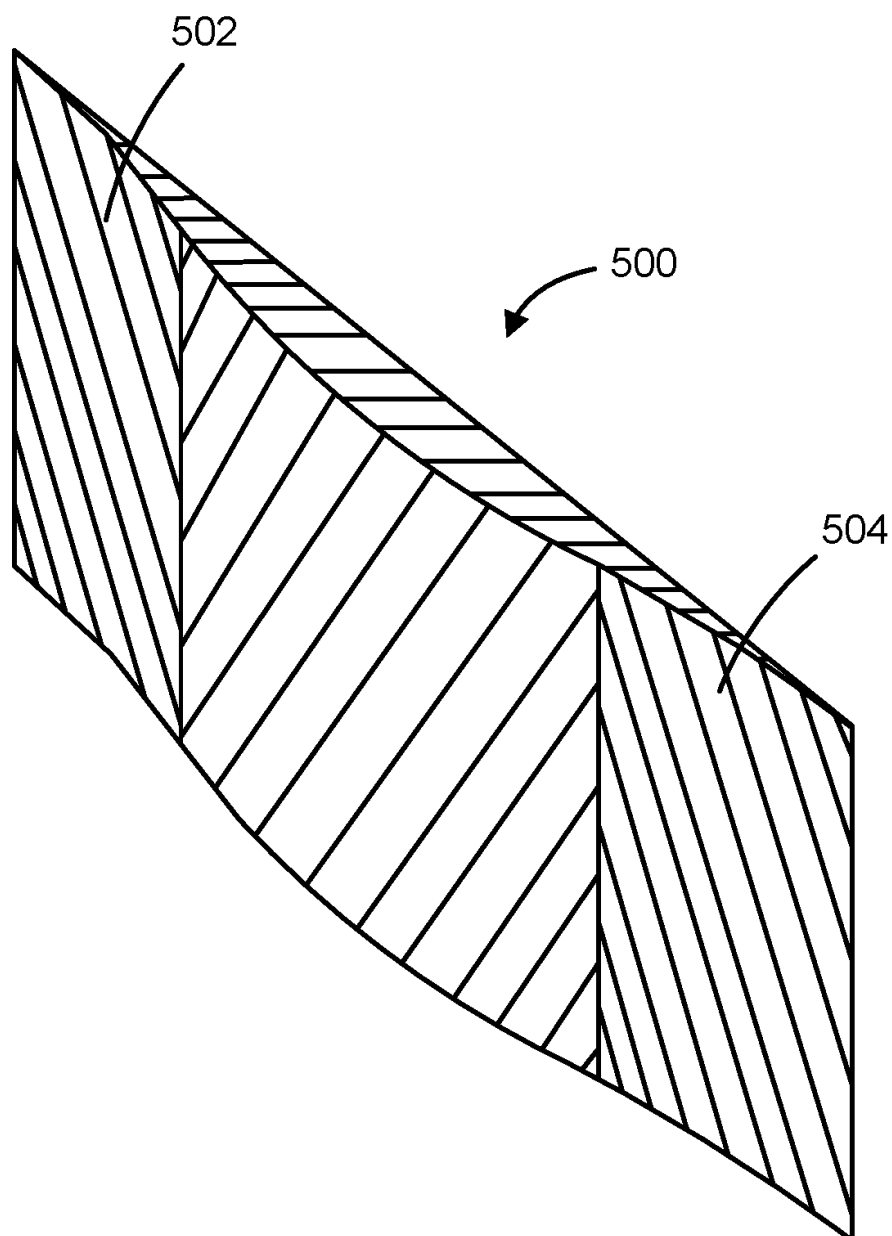
INSTANT SPORT

Family 2/13 - FAMPAT - ©Questel

Title

(EP3255225)

Wave pool

Images**Publication numbers with kind code & date**

BR122018077263	B1	2019-10-15	BR122018077263
US20190203487	A1	2019-07-04	US20190203487
BRPI0921946	B1	2019-05-28	BR200921946
US10221582	B2	2019-03-05	US10221582
US10066410	B2	2018-09-04	US10066410
EP3255225	A1	2017-12-13	EP3255225
EP2754781	B8	2017-11-29	EP2754781
ES2635432	T3	2017-10-03	ES2635432
PT2754781	T	2017-06-27	PT2754781T



EP2754781	B1	2017-06-14	EP2754781				
US20170159307	A1	2017-06-08	US20170159307				
US20170145709	A1	2017-05-25	US20170145709				
US9574360	B2	2017-02-21	US9574360				
US9546491	B2	2017-01-17	US9546491				
US9476213	B2	2016-10-25	US9476213				
CN103696591	B	2016-09-21	CN103696591B				
CA2744330	C	2016-02-02	CA2744330				
BRPI0921946	A2	2016-01-05	BR200921946				
AU2009316496	B2	2015-03-12	AU2009316496				
US20140250579	A1	2014-09-11	US20140250579				
EP2754781	A1	2014-07-16	EP2754781				
ES2461490	T3	2014-05-20	ES2461490				
PT2366053	E	2014-04-15	PT2366053				
CN103696591	A	2014-04-02	CN103696591				
US20140059758	A1	2014-03-06	US20140059758				
EP2366053	B1	2014-01-15	EP2366053				
CN102282330	B	2013-12-18	CN102282330B				
US8573887	B2	2013-11-05	US8573887				
ZA201206082	B	2013-05-29	ZA201206082				
US20130061382	A1	2013-03-14	US20130061382				
US20130036545	A1	2013-02-14	US20130036545				
ZA201103687	B	2012-10-31	ZA201103687				
US8262316	B2	2012-09-11	US8262316				
CN102282330	A	2011-12-14	CN102282330				
EP2366053	A1	2011-09-21	EP2366053				
AU2009316496	A1	2010-05-27	AU2009316496				
CA2744330	A1	2010-05-27	CA2744330				
WO2010/059871	A1	2010-05-27	WO201059871				
US20100124459	A1	2010-05-20	US20100124459				

Abstract

(EP3255225)

The present application relates to a wave **pool** (100, 300, 400) comprising: a channel containing water and having a bottom contour having a slope that rises upward from a deep region, the bottom contour further including a shoal that is an extension of the slope; one or more foils (500, 600, 704, 906, 1006), each foil arrangeable vertically proximate the deep region of the channel and adapted for movement in a direction along a length of the channel, each foil having a curvilinear cross-sectional geometry that defines a leading surface that is adapted to generate a solitary wave toward the shoal in the water from the movement, and a trailing surface, the trailing surface being configured for flow recovery to avoid separation of the flow of water in the wave and to mitigate drag from the foil in the water from the movement; and a moving mechanism having a track along the length of the channel proximate the deep region of the channel, the moving mechanism for moving the one or more foils along the track in the direction along the length of channel to generate a surface gravity wave from the solitary wave by each of the one or more foils.

Inventors

SLATER KELLY

FINCHAM ADAM

Latest standardized assignees - inventors removed

KELLY SLATER WAVE

Family 3/13 - FAMPAT - ©Questel

Title

(EP3460145)

Surface gravity **wave generator** and wave **pool**

Images

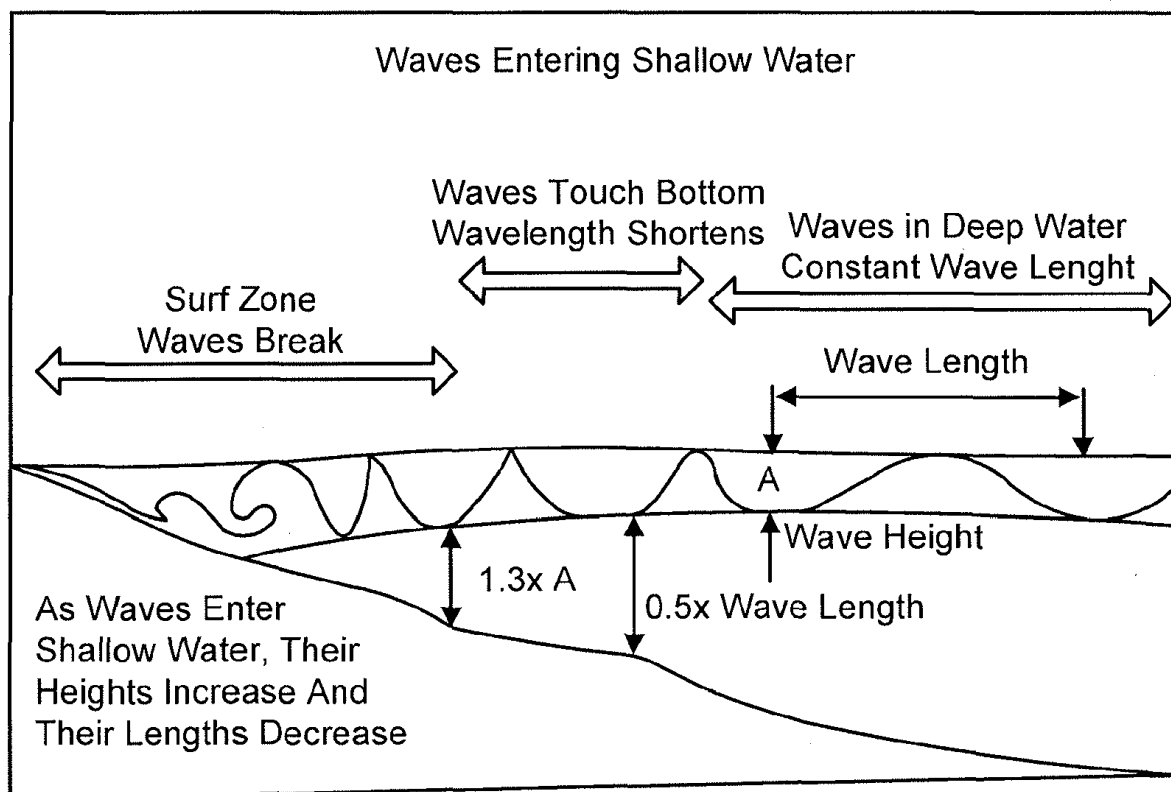


FIG. 1

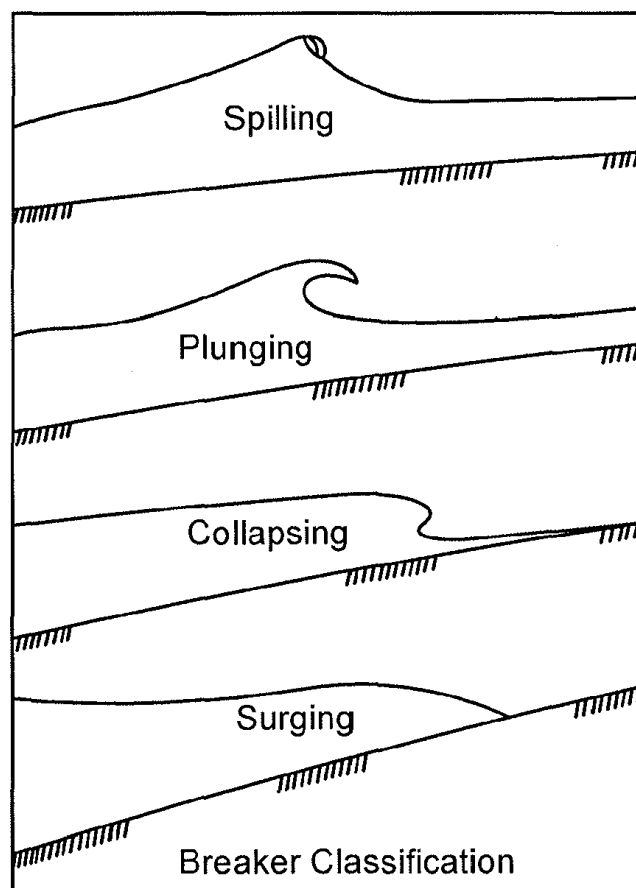


FIG. 2

Publication numbers with kind code & date

AU2019283959

A1 2020-01-23

AU2019283959

AU2018200273

B2 2019-09-26

AU2018200273

ES2717888

T3 2019-06-26

ES2717888



PT2912242	T	2019-04-18	PT2912242T				
EP3460145	A1	2019-03-27	EP3460145				
EP2912242	B1	2018-12-05	EP2912242				
AU2018200273	A1	2018-02-01	AU2018200273				
CN107575052	A	2018-01-12	CN107575052				
AU2013315416	B2	2017-10-12	AU2013315416				
CN104781486	B	2017-08-25	CN104781486B				
BR112015005522	A2	2017-07-04	BR112015005522				
EP2912242	A1	2015-09-02	EP2912242				
CN104781486	A	2015-07-15	CN104781486				
AU2013315416	A1	2015-04-09	AU2013315416				
BR112015005522	A1	2015-04-07	BR112015005522				
CA2884894	A1	2014-03-20	CA2884894				
WO2014/043372	A1	2014-03-20	WO201443372				

Abstract

(EP3460145)

A wave **pool** for generating surfable waves is disclosed. The wave **pool** includes a **pool** for containing water. The **pool** defines a channel having a first side wall, a second side wall, and a bottom with a contour that slopes upward from a deep area proximate the first side wall toward a sill defined by the second side wall. The wave **pool** further includes at least one foil at least partially submerged in the water near the side wall, and being adapted for movement by a moving mechanism in a direction along the side wall for generating a wave in the channel that forms a breaking wave on the sill. The wave **pool** further includes one or more passive flow control mechanisms to mitigate a mean flow of the water induced by the movement of the at least one foil in the direction along the side wall.

Inventors

FINCHAM ADAM

SLATER KELLY

Latest standardized assignees - inventors removed

KELLY SLATER WAVE

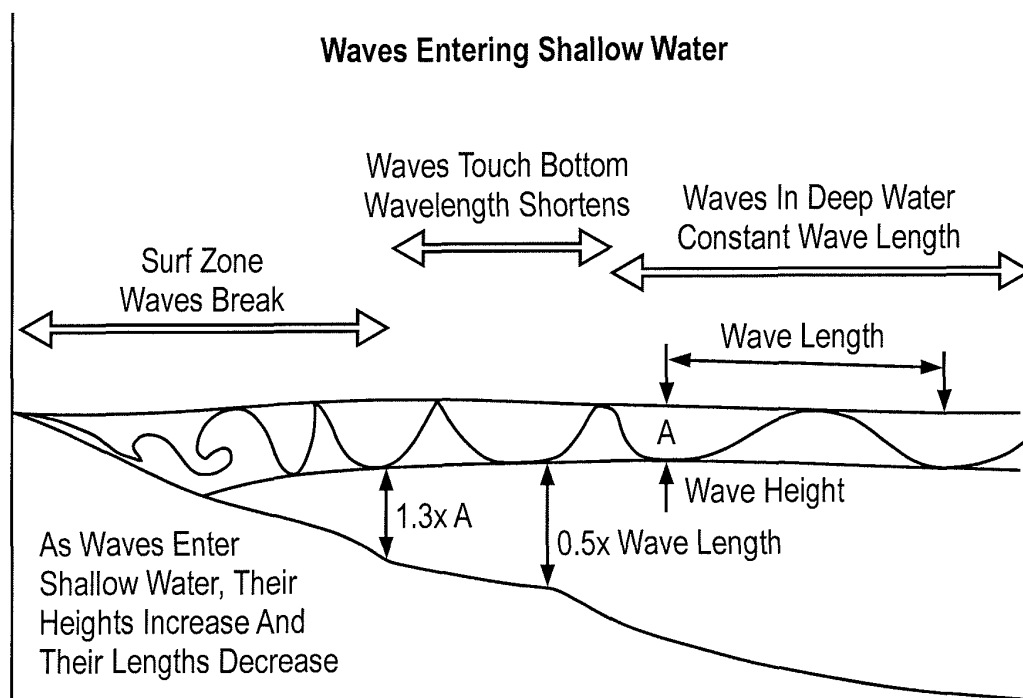
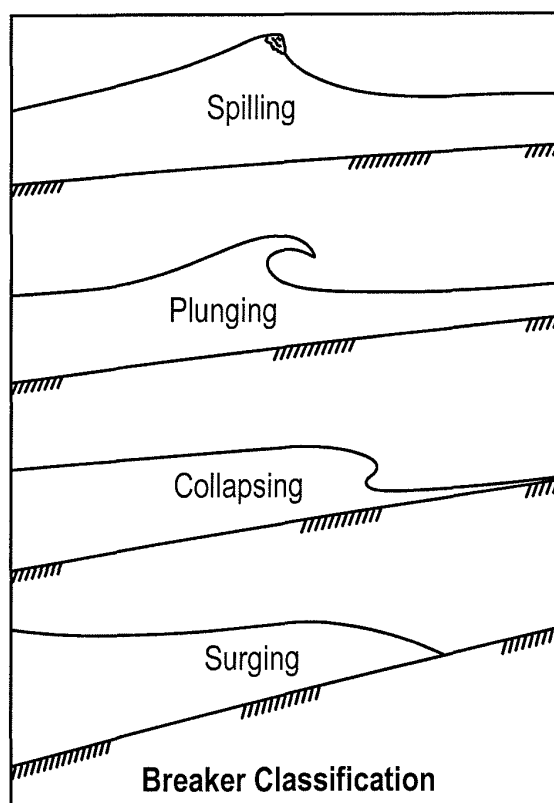
Family 4/13 - FAMPAT - ©Questel

Title

(AU2017210646)

Surface Gravity **Wave Generator** and Wave **Pool****Images**

2015200470 30 Jan 20

**FIG. 1****FIG. 2****Publication numbers with kind code & date**

AU2020201046

A1 2020-03-05

AU2020201046

AU2017200431

B2 2018-05-17

AU2017200431

AU2017210646

A1 2017-08-24

AU2017210646

AU2017201070

B2 2017-05-04

AU2017201070



AU2017201070	A1	2017-03-09	AU2017201070				
AU2017200431	A1	2017-02-16	AU2017200431				
AU2015203350	B2	2016-11-03	AU2015203350				
AU2015203350	A1	2015-07-09	AU2015203350				
AU2015200470	B2	2015-03-19	AU2015200470				
AU2015200470	A1	2015-02-19	AU2015200470				

Abstract

(AU2017210646)

A surface gravity **wave generator** and wave **pool** is disclosed. A wave **pool** is formed of opposing side walls and a center channel of water. The channel includes a bottom contour with a depth that runs from a deep end to a shoal or beach. One or more three-dimensional foils are vertically arranged along at least one side wall, and moved against the water in the channel. Each foil has a curvilinear cross-sectional geometry that defines a leading surface that is adapted to generate a wave in water moving past the leading surface, and a trailing surface configured for flow recovery to avoid separation of the flow of water in the wave and to mitigate drag from the foil from the water moving past the leading surface.

Inventors

SLATER KELLY

FINCHAM ADAM

Latest standardized assignees - inventors removed

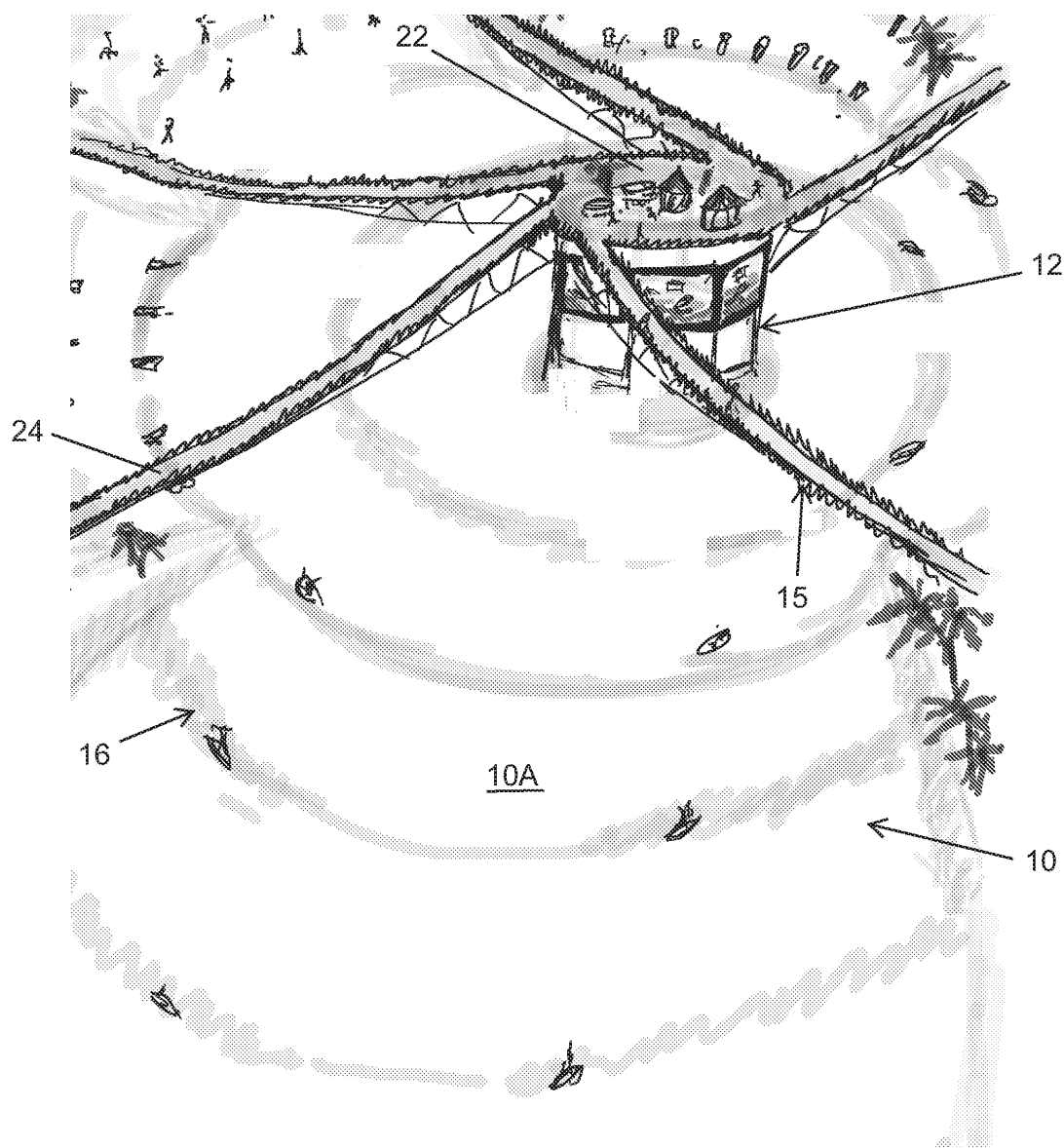
KELLY SLATER WAVE

Family 5/13 - FAMPAT - ©Questel

Title

(EP3559377)

Assembly and method for generating waves within a body of water

Images**Publication numbers with kind code & date**

JP2020507701	A	2020-03-12	JP2020507701
EP3559377	A2	2019-10-30	EP3559377
US20190323249	A1	2019-10-24	US20190323249
CN110291266	A	2019-09-27	CN110291266
MX2019007392	A	2019-08-16	MX2019007392
AU2017383459	A1	2019-07-04	AU2017383459
WO2018/116180	A3	2018-08-02	WO2018116180
CA3048163	A1	2018-06-28	CA3048163
WO2018/116180	A2	2018-06-28	WO2018116180

**Abstract**

(EP3559377)

A wave generation assembly (212) for generating at least one wave (16) along a water surface (10A) of a body of water (10) includes a drive system (218) and a **wave generator** (214). The **wave generator** (214) is coupled to the drive system (218). The drive system (218) is configured to move the **wave generator** (214) between a first position and a second position. The **wave generator** (214) includes (i) a generator shaft (226) that is engaged by the drive system (218), and (ii) a generator head (228) that is connected to and extends away from the generator shaft (226). The generator head (228) includes a distal end (228B) having at least one wave creating surface (230). The at least one wave creating surface (230) displaces water at the water surface (10A) when moved from the first position to the second position to generate the at least one wave (16) along the water surface (10A) of the body of water (10).

Inventors

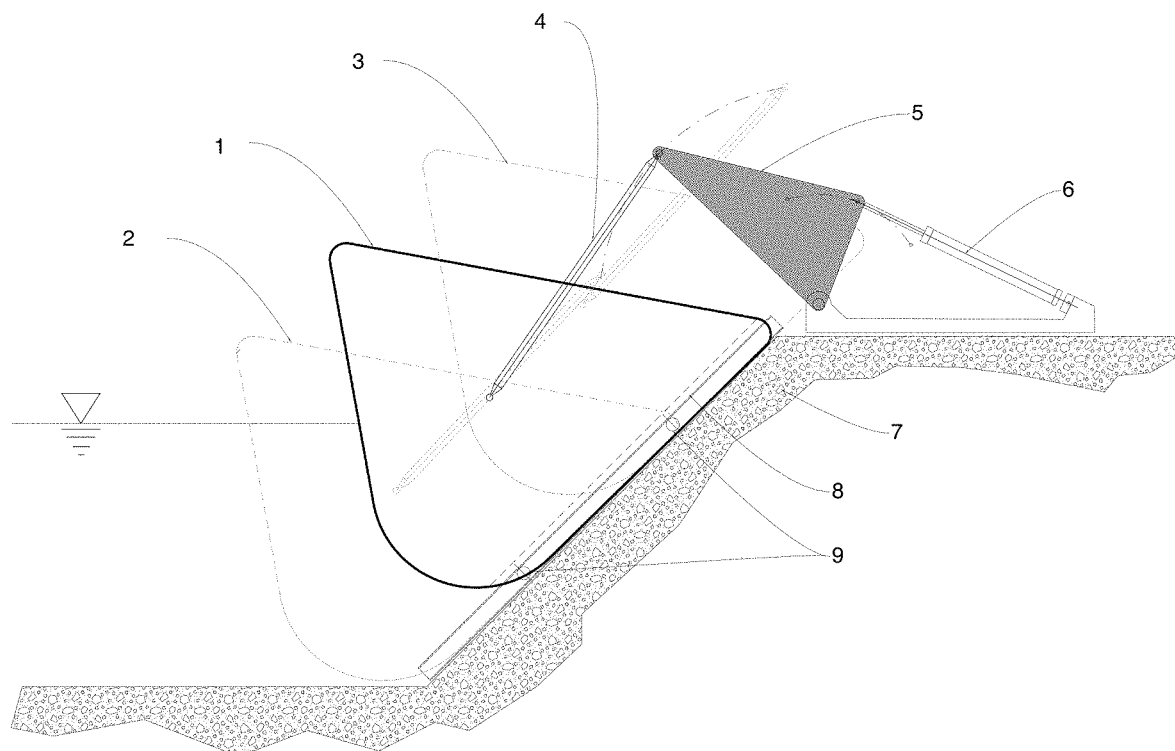
GRANTHAM PETER

NEWSON THOMAS

Family 6/13 - FAMPAT - ©Questel

Title

(US9920544)

Plunger **wave generator** apparatus for efficiently producing waves in a body of water**Images****Publication numbers with kind code & date**[US9920544](#)

B1 2018-03-20

US9920544

**Abstract**

(US9920544)

An apparatus for creating a surfing wave in a body of water. An apparatus for the purpose of efficiently producing a variety of surfing waves having a repetition rate and size suitable for surfing. The waves are generated using a controlled up and down motion of mechanical plungers in a way that allows the control of the shape and therefore **surf** characteristics of the wave. A linear array of plungers is used so that they interact in different ways with bathymetry of the body of water and can be changed to further alter the surfing characteristics of the waves. The motion of the individual plungers can be adjusted so that effects of different wave travel distance to the bathymetry can be compensated for consistent wave characteristics.

Inventors

BENNETT WALTER JUDSON

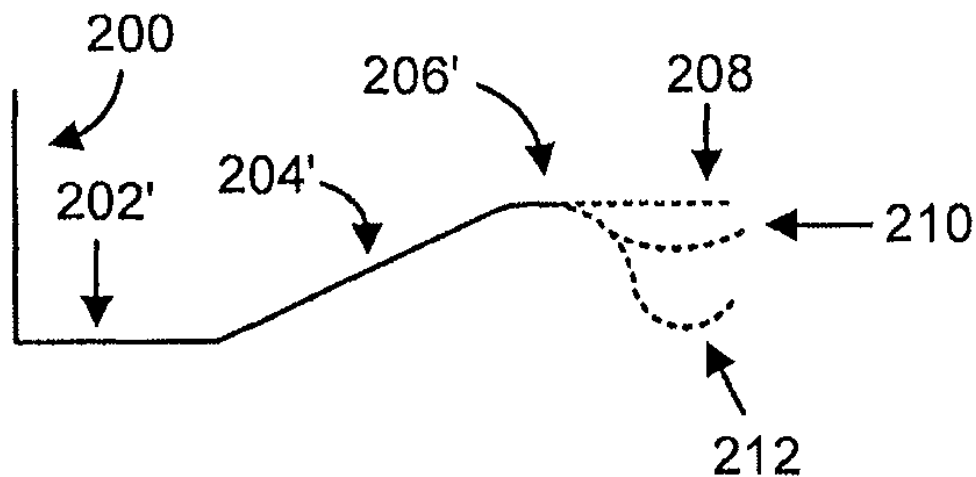
GUNN MATTHEW

BUSHEY JOHN

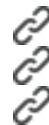
Family 7/13 - FAMPAT - ©Questel

Title

(US20190226223)

Wave Generator System and Method for Free-Form Bodies of Water**Images****Publication numbers with kind code & date**

US20190226223	A1	2019-07-25	US20190226223
US10081956	B2	2018-09-25	US10081956
US20170044784	A1	2017-02-16	US20170044784

**Abstract**

(US20190226223)

A wave park includes a body of water, and a track positioned in the body of water. The wave park further includes at least one foil coupled to move along the track, and being at least partially submerged in the body of water. The foil has a curvilinear cross-sectional geometry that includes a leading surface that is concave about a vertical axis to provide drag to generate a primary wave laterally in water of the body of water that contacts the leading surface of the foil, and a trailing surface that narrows from a maximum width of the foil adjacent the leading surface to a point at an end of the foil, the trailing surface to decrease the drag of the foil and to minimize oscillatory waves that trail the primary wave from the water moving past the leading surface of the foil.

Inventors

SLATER KELLY

FINCHAM ADAM

Latest standardized assignees - inventors removed

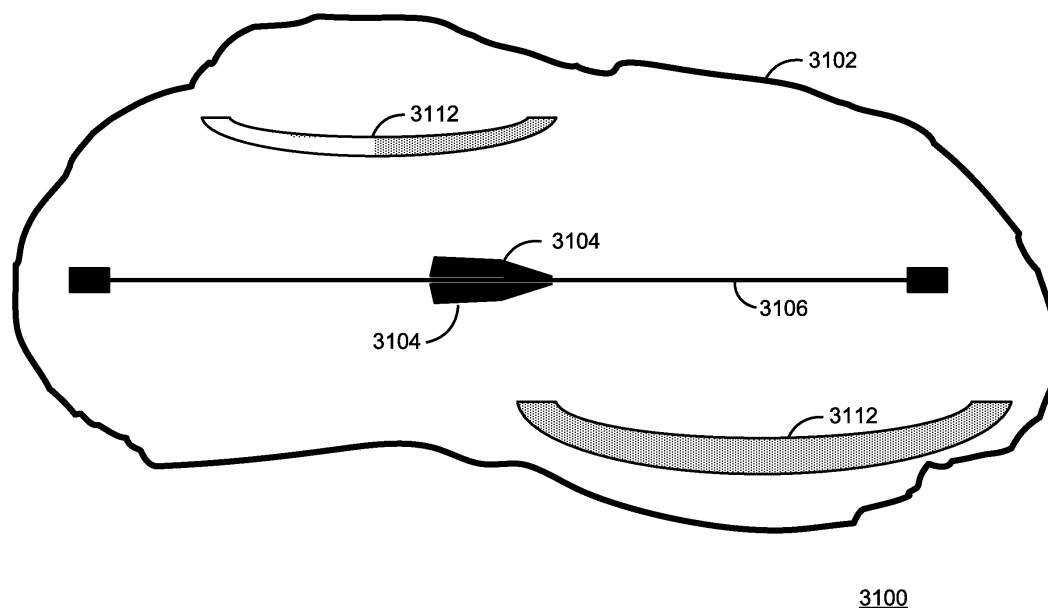
KELLY SLATER WAVE

Family 8/13 - FAMPAT - ©Questel

Title

(WO2014190314)

Wave park

Images**FIG. 28****Publication numbers with kind code & date**

WO2014/190314	A3	2015-04-09	WO2014190314
WO2014/190314	A2	2014-11-27	WO2014190314

**Abstract**

(WO2014/190314)

A wave park for an open or large body of water is disclosed. The wave park includes a body of water, and a track positioned in or proximate the body of water. The wave park further includes at least one foil coupled to move along the track, the at least one foil being at least partially submerged in the body of water. The at least one foil has a curvilinear cross-sectional geometry that includes a leading surface that is concave about a vertical axis to provide drag to generate a primary wave laterally in water of the body of water that contacts the leading surface of the foil, and a trailing surface that narrows from a maximum width of the foil adjacent the leading surface to a point at an end of the foil, the trailing surface to decrease the drag of the foil and to minimize oscillatory waves that trail the primary wave from the water moving past the leading surface of the foil.

Inventors

SLATER KELLY

FINCHAM ADAM

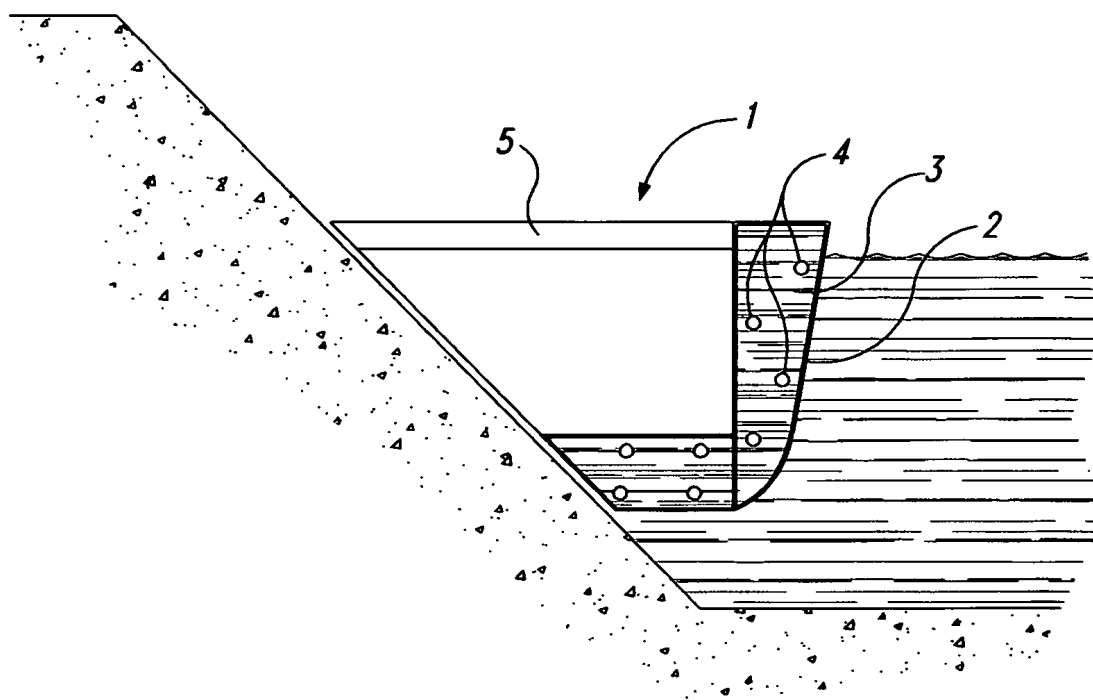
Latest standardized assignees - inventors removed

KELLY SLATER WAVE

Family 9/13 - FAMPAT - ©Questel

Title

(US10519679)

Plunger **artificial** wave making apparatus**Images****Publication numbers with kind code & date**[US10519679](#)

B1 2019-12-31

US10519679

**Abstract**

(US10519679)

A wave making apparatus for creating a surfing wave in a body of water. The waves are generated using a controlled up and down motion of Fiber Glass, (FRP), or EPS Geo Foam Mechanical Plungers in a way that allows the control and shape and therefore **surf** characteristics of the wave. The plunger wave making apparatus is assembled side by side in a vertically manner on a 45-degree sloped back wall. Water ballast is added to the front and main compartments of the wave making plungers to optimize power requirements to power the plungers up and down to produce the waves into the body of water.

Inventors

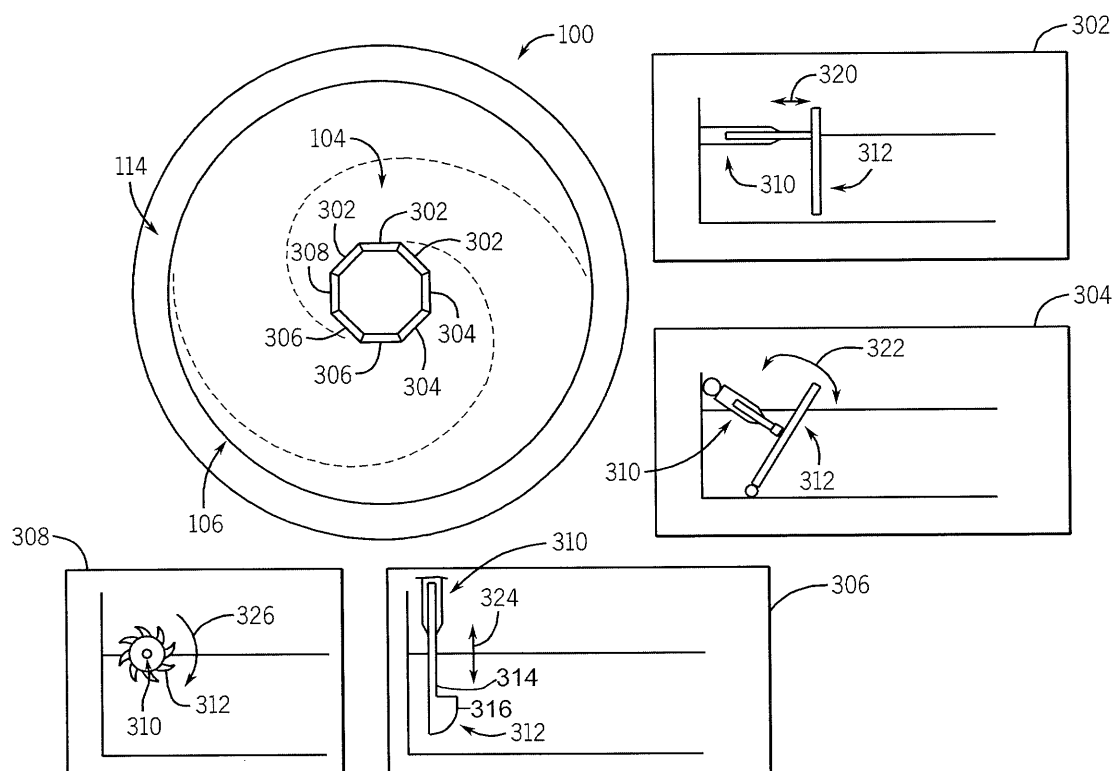
BENNETT WALTER JUDSON

Family 10/13 - FAMPAT - ©Questel

Title

(EP2694757)

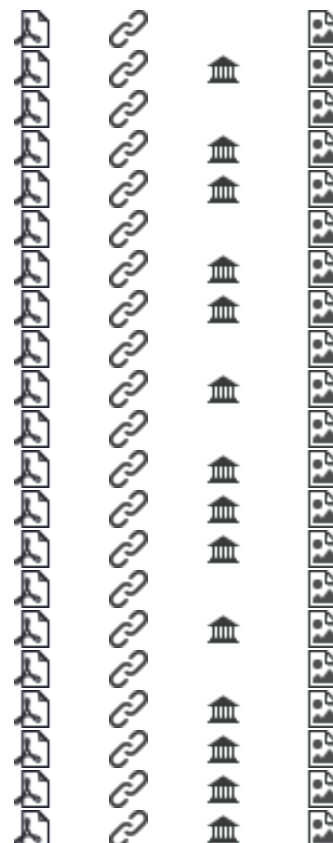
System and method for generating waves in multiple directions

Images**Publication numbers with kind code & date**

KR10-2019-0067943	A	2019-06-17	KR20190067943
CA2831790	C	2018-09-04	CA2831790
MY164040	A	2017-11-15	MY-164040
CN103443374	B	2017-04-05	CN103443374B
US9534408	B2	2017-01-03	US9534408
RU2592935	C2	2016-07-27	RU2592935
JP5959124	B2	2016-07-01	JP5959124
IN8335/DELNP/2013	A	2016-05-20	IN2013DN08335
HK1191991	A1	2015-10-30	HK1191991
ES2543158	T3	2015-08-17	ES2543158
RU2013149868	A	2015-05-20	RU2013149868
EP2694757	B1	2015-05-06	EP2694757
JP2014515797	A	2014-07-03	JP2014515797
EP2694757	A2	2014-02-12	EP2694757
KR20140011368	A	2014-01-28	KR20140011368
CN103443374	A	2013-12-11	CN103443374
SG193470	A1	2013-10-30	SG-193470
WO2012/138546	A3	2012-12-06	WO2012138546
CA2831790	A1	2012-10-11	CA2831790
US20120255112	A1	2012-10-11	US20120255112
WO2012/138546	A2	2012-10-11	WO2012138546

Abstract

(EP2694757)



Present embodiments are directed to a system and method for generating waves in multiple directions. Present embodiments may include a wave generation mechanism (104) configured to be positioned centrally within a container (120) filled with water that is sufficiently sized to facilitate recreational activities for patrons within the container (120). The wave generation mechanism (104) may include at least one actuator (204, 310, 504, 604, 606) configured to activate at least one water- displacement medium (202, 312) to displace the water such that waves are propagated through the water, and a directional feature (206, 506) configured to direct the waves away from the wave generation mechanism after activation of the actuator (204) such that the waves are propagated outward from the wave generation mechanism (104) in multiple directions.

Inventors

OSTERMAN ROSS ALAN

SCHWARTZ JUSTIN MICHAEL

Latest standardized assignees - inventors removed

UNIVERSAL CITY STUDIOS

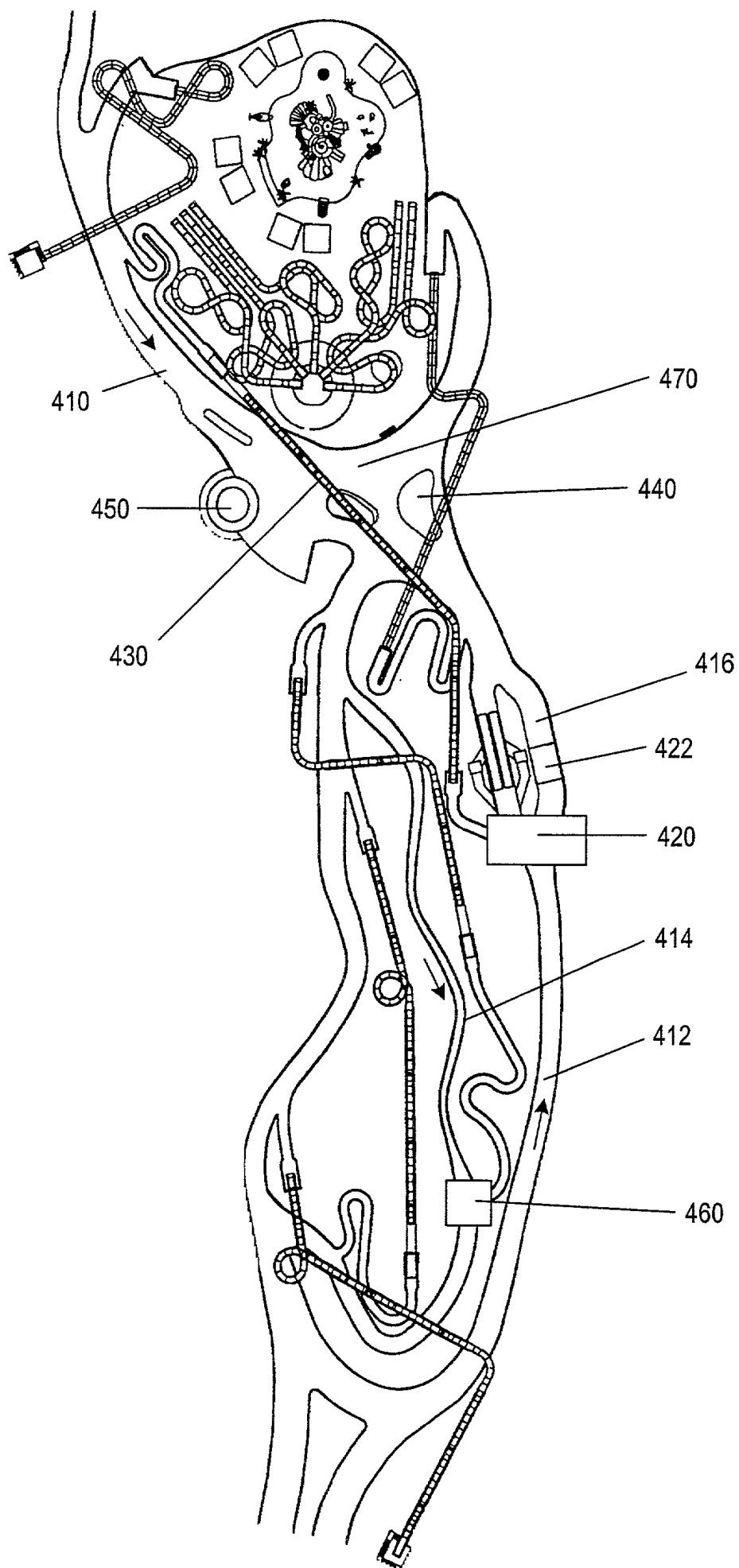
Family 11/13 - FAMPAT - ©Questel

Title

(EP1604712)

Water amusement system and method

Images



Publication numbers with kind code & date

CA2654714	C	2012-10-30	CA2654714				
US8197352	B2	2012-06-12	US8197352				
US8070615	B2	2011-12-06	US8070615				
US7740542	B2	2010-06-22	US7740542				
CA2422023	C	2009-05-12	CA2422023				
US7491128	B2	2009-02-17	US7491128				
US7371182	B2	2008-05-13	US7371182				
US7285053	B2	2007-10-23	US7285053				
AU2001290832	B2	2007-08-02	AU2001290832				
DE60115477	T2	2006-08-24	DE60115477				
US20060178222	A1	2006-08-10	US20060178222				
US20060052171	A1	2006-03-09	US20060052171				
DE60115477	D1	2006-01-05	DE60115477				
AT311232	T	2005-12-15	ATE311232				
EP1604712	A1	2005-12-14	EP1604712				
EP1318864	B1	2005-11-30	EP1318864				
US20050090320	A1	2005-04-28	US20050090320				
US20050090321	A1	2005-04-28	US20050090321				
US20050085306	A1	2005-04-21	US20050085306				
EP1318864	A2	2003-06-18	EP1318864				
US20020082097	A1	2002-06-27	US20020082097				
WO2/22226	A3	2002-06-13	WO200222226				
WO2/22227	A3	2002-06-06	WO200222227				
AU9082601	A	2002-03-26	AU200190826				
AU9083201	A	2002-03-26	AU200190832				
CA2422023	A1	2002-03-21	CA2422023				
CA2654714	A1	2002-03-21	CA2654714				
WO2/22226	A2	2002-03-21	WO200222226				
WO2/22227	A2	2002-03-21	WO200222227				

Abstract

(EP1604712)

A water transportation system and method are described, generally related to water amusement attractions and rides. Further, the disclosure generally relates to water-powered rides and to a system and method in which participants may be actively involved in a water attraction. This transportation system comprises at least two water stations and at least one water channel connecting the at least two water stations for the purpose of conveying participants between the at least two water stations. In addition, the water transportation system may include conveyor belt systems and water locks configured to convey participants from a first source of water to a second source of water which may or may not be at a different elevation.

Inventors

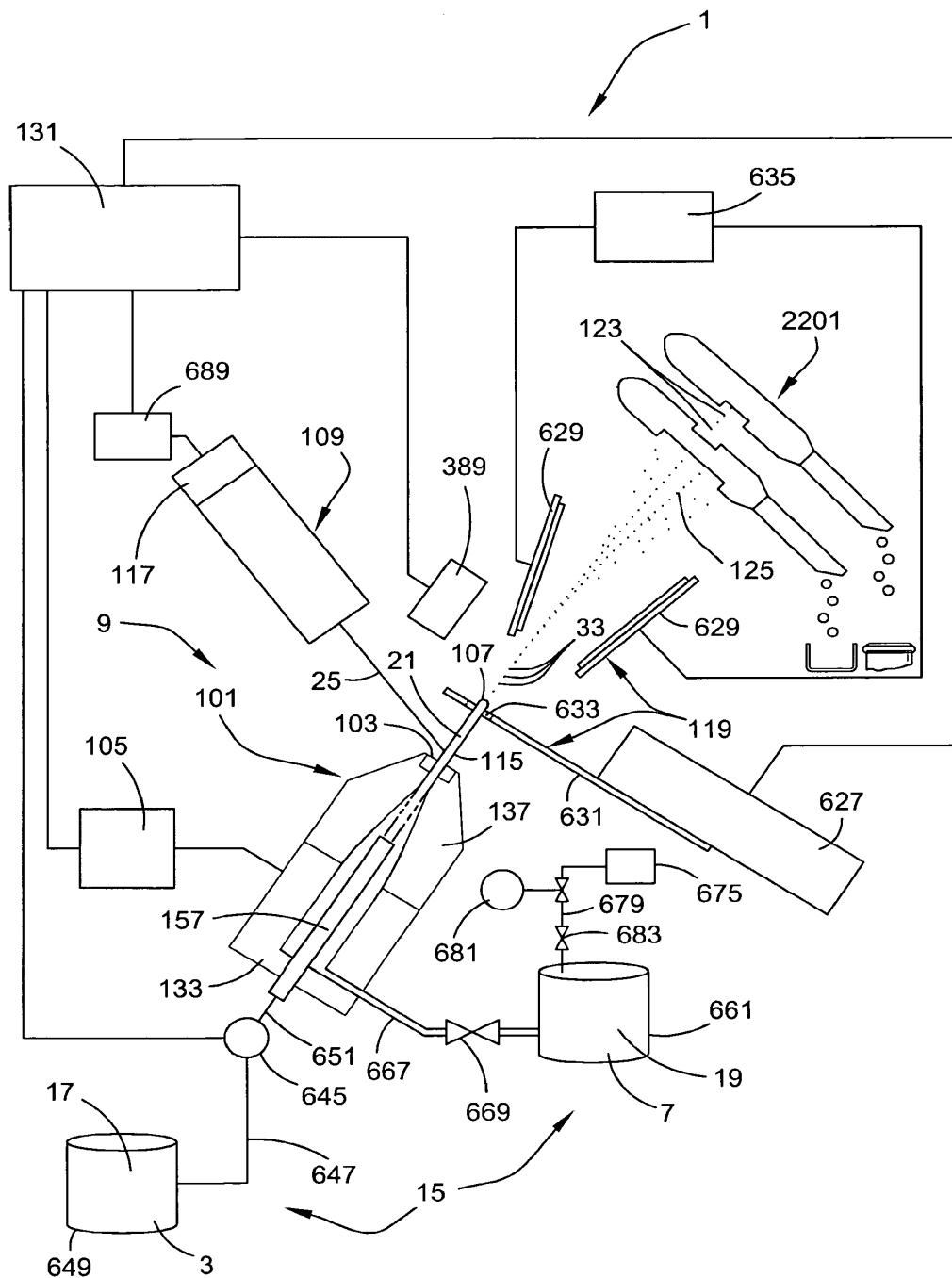
HENRY JEFFERY WAYNE

SCHOOLEY JOHN

Latest standardized assignees - inventors removed

WATER RIDE CONCEPTS

Images



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Abstract

(EP2305171)

Apparatus and methods for analyzing particles, including apparatus and methods for a sperm sorting process including the variation of the sorting strategy or the variation of the rate at which fluid is delivered as a function of the previously sorted particles.

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Latest standardized assignees - inventors removed

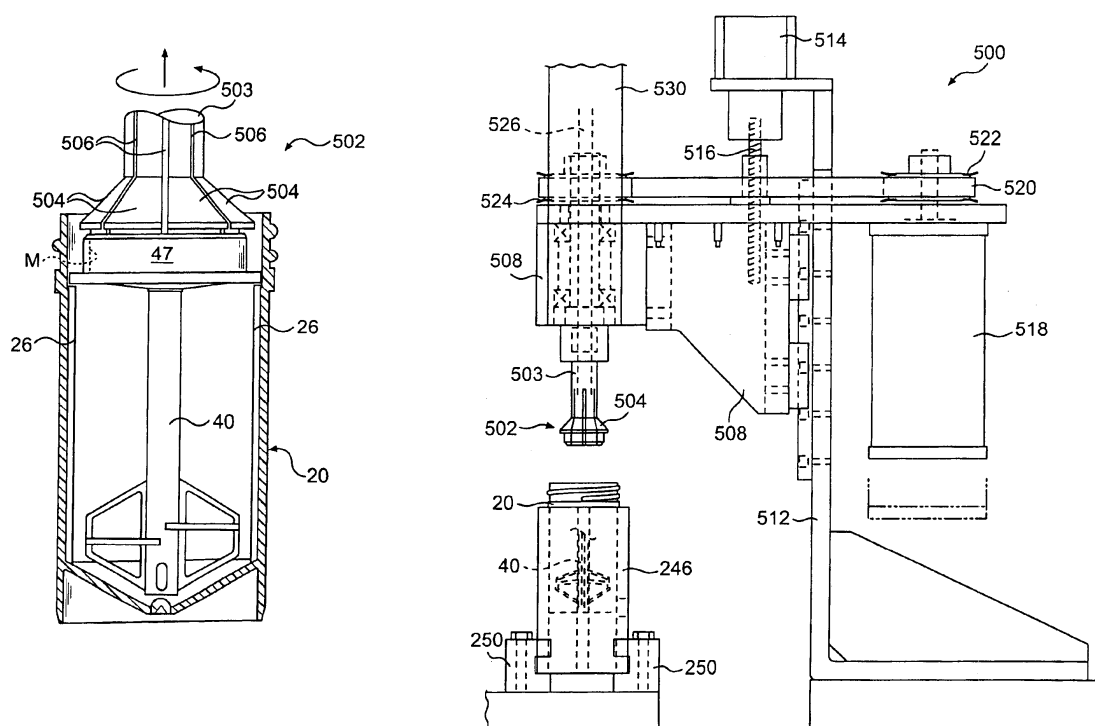
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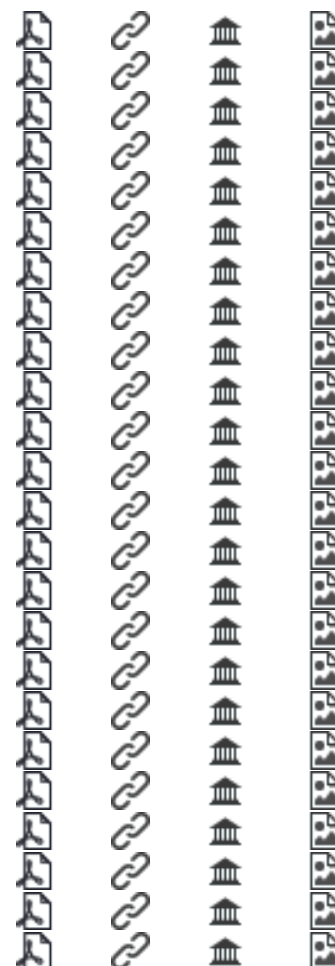
Title

(EP1436199)

Specimen vial sealing apparatus and method

Images**Publication numbers with kind code & date**

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Abstract

(EP1436199)

Method and apparatus for applying seals made of thin material to the open tops of containers, e.g., specimen containers for holding biological fluid that are processed automatically. A measured length of sealing material is advanced across and pressed against the top of the container (20) to effect a seal. Depending on the type of sealing material used, sealing may be accomplished by application of pressure alone, by application of heat and pressure, or by application of ultrasonic energy and pressure. Excess sealing material optionally may be folded against the container sides by means of a folding member adapted to surround a container (20) when the sealing head is lowered. Motor-driven rollers advance the sealing material, while a platen (854) on a movably mounted sealing head presses the sealing material into engagement with the container.

Inventors

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Latest standardized assignees - inventors removed

GENERAL PROBE PRODESSE