

EXHIBIT A2

FILE HISTORY
US 8,894,066


PATENT: 8,894,066
INVENTORS: Sternberg, Aaron B.
TITLE: Method of facilitating user preference
in creative design of a controller
APPLICATION NO: US14155013A
FILED: 14 JAN 2014
ISSUED: 25 NOV 2014
COMPILED: 03 JUN 2015

8,894,066

**METHOD OF FACILITATING USER PREFERENCE IN CREATIVE
DESIGN OF A CONTROLLER**

Transaction History


Date	Transaction Description
01-14-2014	Oath or Declaration Filed (Including Supplemental)
01-14-2014	Incoming Letter Pertaining to the Drawings
01-14-2014	IFW Scan & PACR Auto Security Review
01-14-2014	Initial Exam Team nn
01-17-2014	Cleared by OIPE CSR
01-28-2014	FITF set to NO - revise initial setting
01-28-2014	Application Is Now Complete
01-28-2014	Application Dispatched from OIPE
01-28-2014	Applicant Has Filed a Verified Statement of Small Entity Status in Compliance with 37 CFR 1.27
01-29-2014	Application Is Now Complete
01-29-2014	Filing Receipt
03-01-2014	Case Docketed to Examiner in GAU
03-05-2014	Change in Power of Attorney (May Include Associate POA)
03-23-2014	Non-Final Rejection
03-25-2014	Mail Non-Final Rejection
05-08-2014	PG-Pub Issue Notification
08-13-2014	PARALEGAL OR ELECTRONIC TERMINAL DISCLAIMER APPROVED
08-13-2014	Terminal Disclaimer Filed
09-24-2014	Response after Non-Final Action
09-24-2014	Request for Extension of Time - Granted
09-24-2014	Information Disclosure Statement (IDS) Filed
09-26-2014	Date Forwarded to Examiner
09-30-2014	Information Disclosure Statement considered
10-01-2014	Notice of Allowance Data Verification Completed
10-01-2014	Document Verification
10-03-2014	Mail Notice of Allowance
10-24-2014	Issue Fee Payment Verified
10-24-2014	Issue Fee Payment Received
10-27-2014	Application Is Considered Ready for Issue
10-27-2014	Filing Receipt - Corrected
10-29-2014	Dispatch to FDC
11-05-2014	Issue Notification Mailed
11-25-2014	Recordation of Patent Grant Mailed
11-25-2014	Patent Issue Date Used in PTA Calculation
04-01-2015	Mail Pre-Exam Notice

Issue Classification 	Application/Control No. 14155013	Applicant(s)/Patent Under Reexamination STERNBERG, AARON B.
	Examiner RALEIGH W CHIU	Art Unit 3711

CPC						
Symbol					Type	Version
A63F	11			00	F	2013-01-01
A63F	13			06	I	2013-01-01
A63H	33			04	I	2013-01-01
A63H	33			086	I	2013-01-01
A63F	2300			1043	A	2013-01-01
A63F	2300			1062	A	2013-01-01


CPC Combination Sets								
Symbol					Type	Set	Ranking	Version

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	8	
/RALEIGH W CHIU/ Primary Examiner. Art Unit 3711	09/29/14	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 14155013	Applicant(s)/Patent Under Reexamination STERNBERG, AARON B.
	Examiner RALEIGH W CHIU	Art Unit 3711


US ORIGINAL CLASSIFICATION				INTERNATIONAL CLASSIFICATION									
CLASS		SUBCLASS		CLAIMED				NON-CLAIMED					
273		148B		A	6	3	F	7 / 00 (2006.01.01)					
CROSS REFERENCE(S)													
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)												

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	8	
/RALEIGH W CHIU/ Primary Examiner. Art Unit 3711	09/29/14	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 14155013	Applicant(s)/Patent Under Reexamination STERNBERG, AARON B.
	Examiner RALEIGH W CHIU	Art Unit 3711

<input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input checked="" type="checkbox"/> T.D. <input type="checkbox"/> R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original


NONE		Total Claims Allowed:	
		8	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/RALEIGH W CHIU/ Primary Examiner. Art Unit 3711	09/29/14	1	1
(Primary Examiner)	(Date)		

<i>Index of Claims</i> 	Application/Control No. 14155013	Applicant(s)/Patent Under Reexamination STERNBERG, AARON B.
	Examiner RALEIGH W CHIU	Art Unit 3711

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	03/23/2014							
	1	✓							
	2	✓							
	3	✓							
	4	✓							
	5	✓							
	6	✓							

<i>Index of Claims</i> 	Application/Control No. 14155013	Applicant(s)/Patent Under Reexamination STERNBERG, AARON B.
	Examiner RALEIGH W CHIU	Art Unit 3711


✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
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O	Objected

<input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant				<input type="checkbox"/> CPA		<input checked="" type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
CLAIM		DATE							
Final	Original	03/23/2014	09/30/2014						
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	2	✓	=						
	3	✓	=						
	4	✓	=						
	5	✓	=						
	6	✓	=						
	7		=						
	8		=						

Search Notes 	Application/Control No. 14155013	Applicant(s)/Patent Under Reexamination STERNBERG, AARON B.
	Examiner RALEIGH W CHIU	Art Unit 3711

CPC- SEARCHED		
Symbol	Date	Examiner


CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
273	148B	3/23/2014	/RC/
463	36, 37	3/23/2014	/RC/
D21	333, 324	3/23/2014	/RC/
D14	401	3/23/2014	/RC/

SEARCH NOTES		
Search Notes	Date	Examiner
PALM inventor name search	3/23/2014	/RC/

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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Search Notes 	Application/Control No. 14155013	Applicant(s)/Patent Under Reexamination STERNBERG, AARON B.
	Examiner RALEIGH W CHIU	Art Unit 3711

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
273	148B	3/23/2014	/RC/
463	36, 37	3/23/2014	/RC/
D21	333, 324	3/23/2014	/RC/
D14	401	3/23/2014	/RC/
updated	as above	09/29/14	/RC/

SEARCH NOTES		
Search Notes	Date	Examiner
PALM inventor name search	3/23/2014	/RC/

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
same as	above	09/29/14	/RC/

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US008894066B2

(12) **United States Patent**
Sternberg

(10) **Patent No.:** **US 8,894,066 B2**
(45) **Date of Patent:** ***Nov. 25, 2014**

(54) **METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A CONTROLLER**

33/086 (2013.01); A63F 2300/1043 (2013.01);
A63F 2300/1062 (2013.01)

(71) Applicant: **IPPASA, LLC**, Scottsdale, AZ (US)

USPC **273/148 B**

(72) Inventor: **Aaron B. Sternberg**, Scottsdale, AZ (US)

(58) **Field of Classification Search**
USPC 273/148 B; 463/36, 37; D21/333, 324;
D14/401

See application file for complete search history.

(73) Assignee: **IPPASA, LLC**, Scottsdale, AZ (US)

(56) **References Cited**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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This patent is subject to a terminal disclaimer.

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(21) Appl. No.: **14/155,013**

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(22) Filed: **Jan. 14, 2014**

EP 1384500 A1 1/2004
JP 2004-129704 4/2004

(65) **Prior Publication Data**

US 2014/0125009 A1 May 8, 2014

(Continued)

Related U.S. Application Data

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(63) Continuation of application No. 13/347,414, filed on Jan. 10, 2012, now Pat. No. 8,628,085, which is a continuation of application No. 12/795,540, filed on Jun. 7, 2010, now Pat. No. 8,091,892, which is a continuation of application No. 12/278,102, filed as application No. PCT/US2007/003462 on Feb. 9, 2007, now Pat. No. 7,731,191.

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(Continued)

(60) Provisional application No. 60/772,343, filed on Feb. 10, 2006.

Primary Examiner — Raleigh W Chiu

(74) Attorney, Agent, or Firm — Stoel Rives LLP

(51) **Int. Cl.**

A63F 7/00 (2006.01)
A63F 11/00 (2006.01)
A63F 13/20 (2014.01)
A63H 33/04 (2006.01)
A63H 33/08 (2006.01)

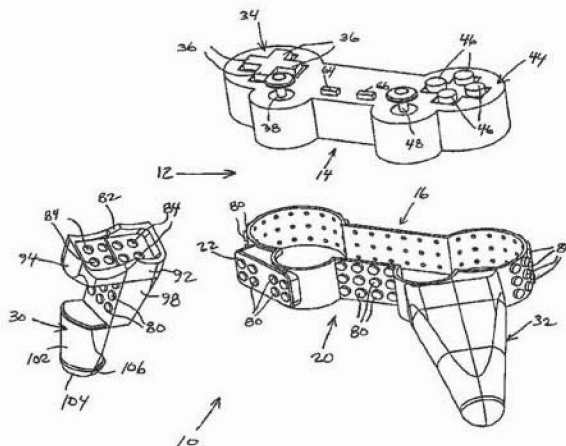
(57) **ABSTRACT**

A configurable manual controller for manipulating images or symbols on a display is adapted for construction with matable building elements arranged by a user. The user forms the manual controller to exhibit a customized ornamental appearance reflecting the user’s creative design preferences.

(52) **U.S. Cl.**

CPC A63F 11/00 (2013.01); A63F 13/06 (2013.01); A63H 33/04 (2013.01); A63H

8 Claims, 20 Drawing Sheets



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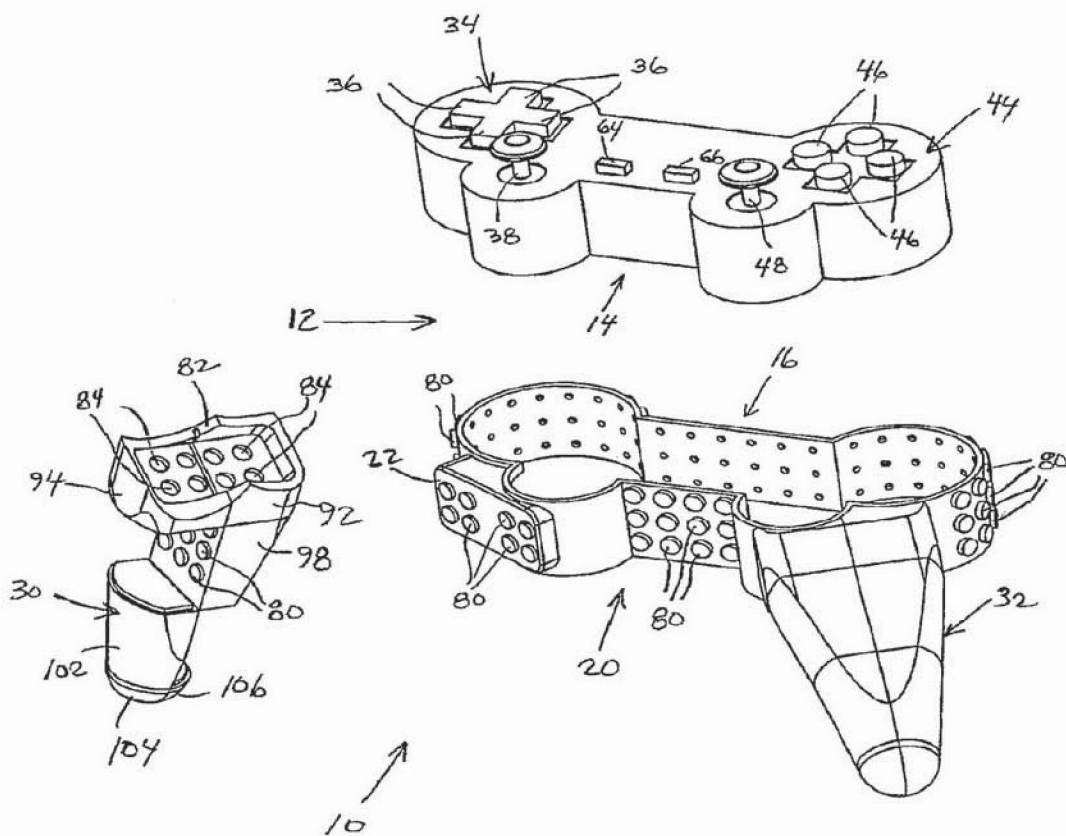


Fig. 1

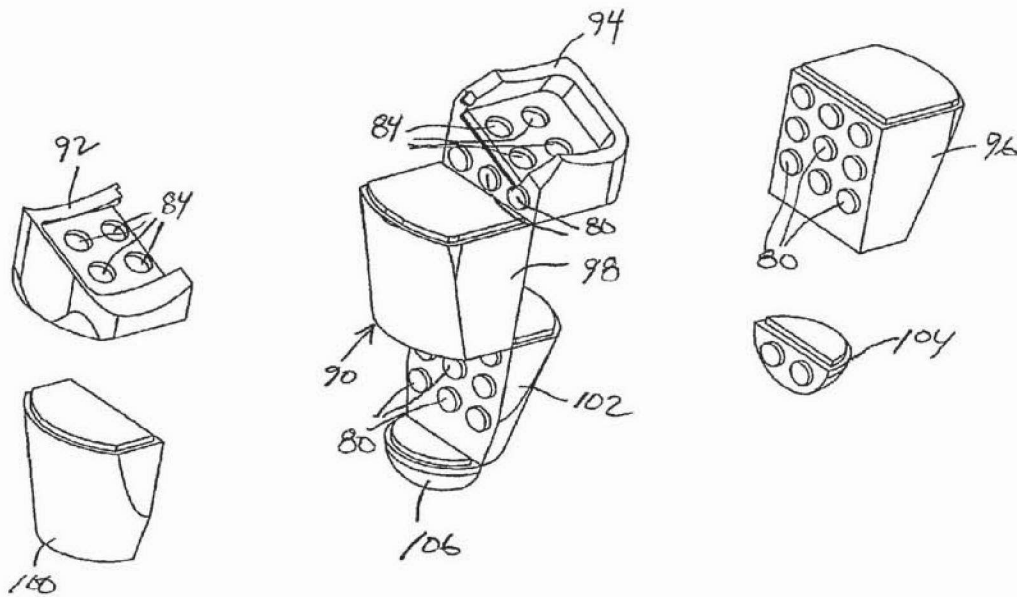


Fig. 2

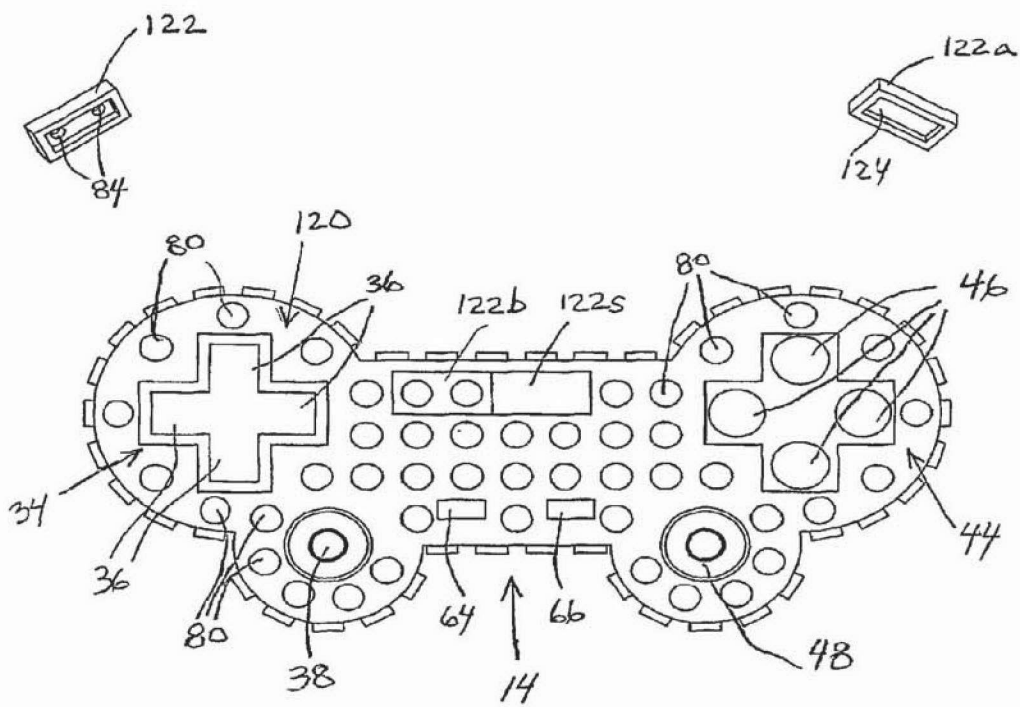


Fig. 3

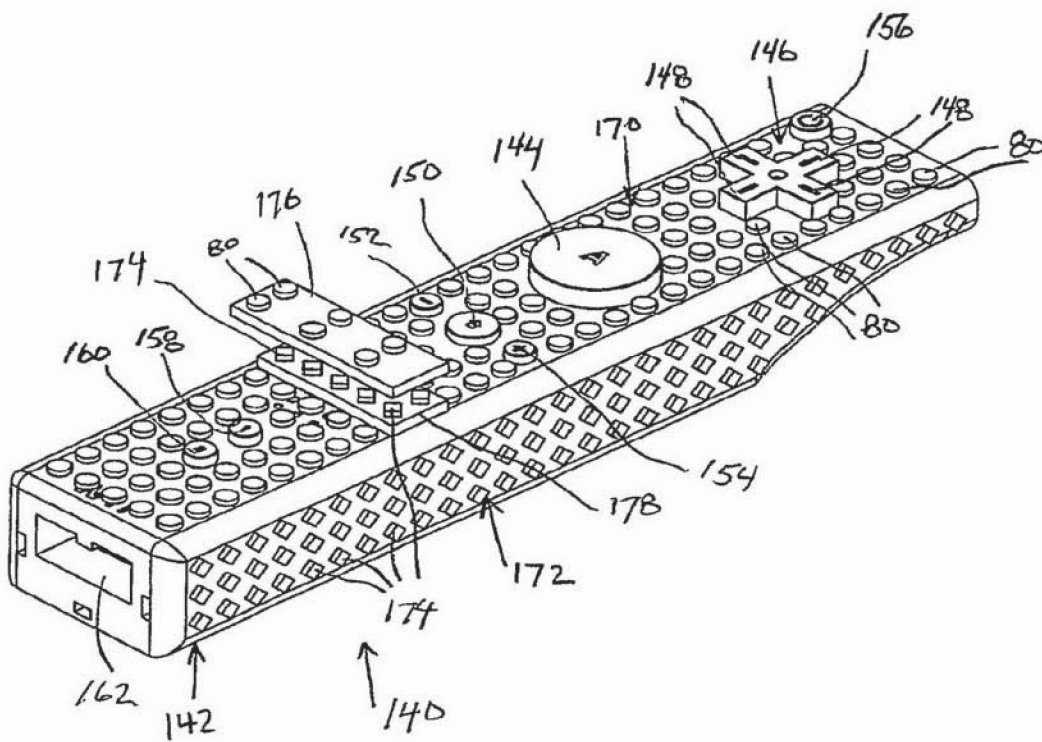


Fig. 4

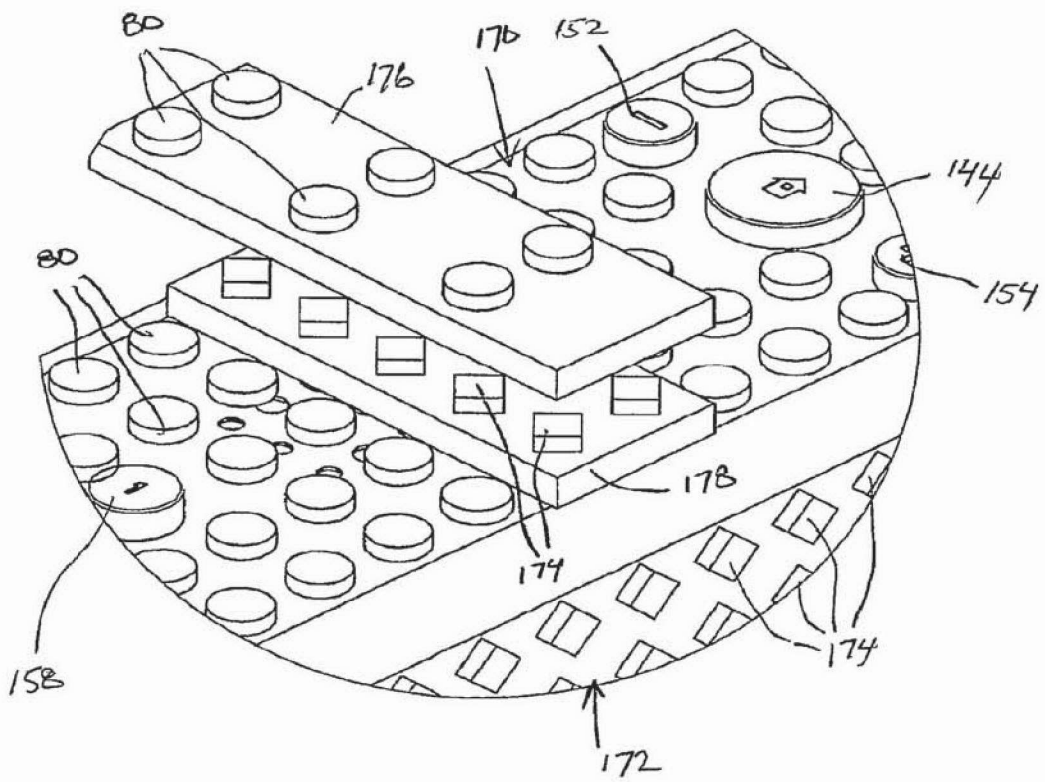


Fig. 5

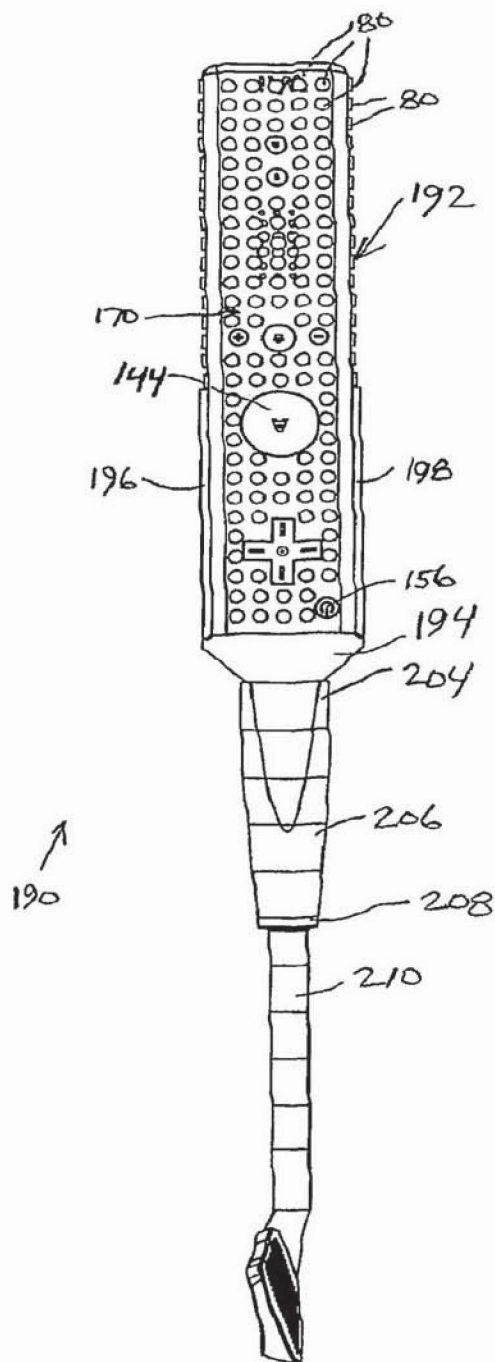


Fig 6A

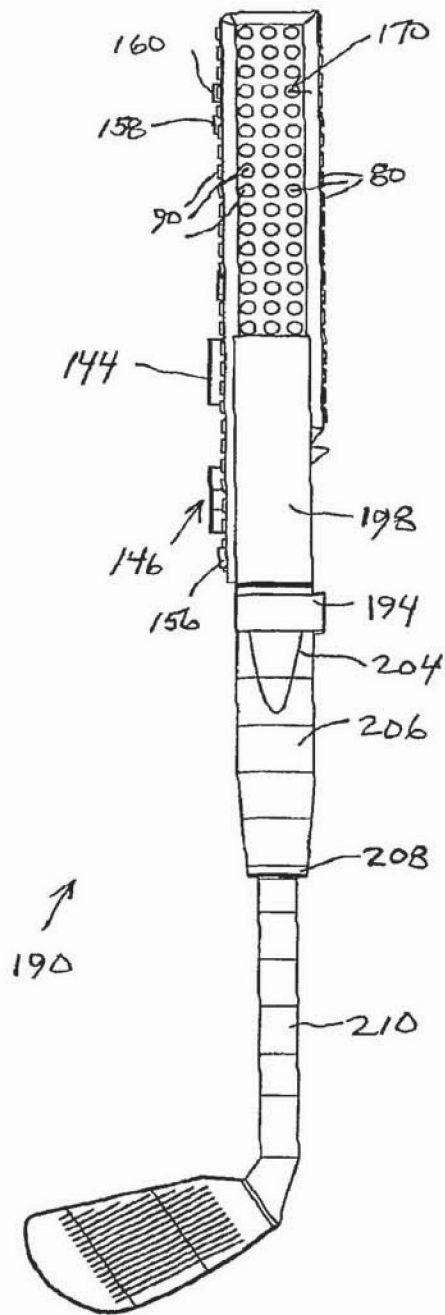


Fig. 6B

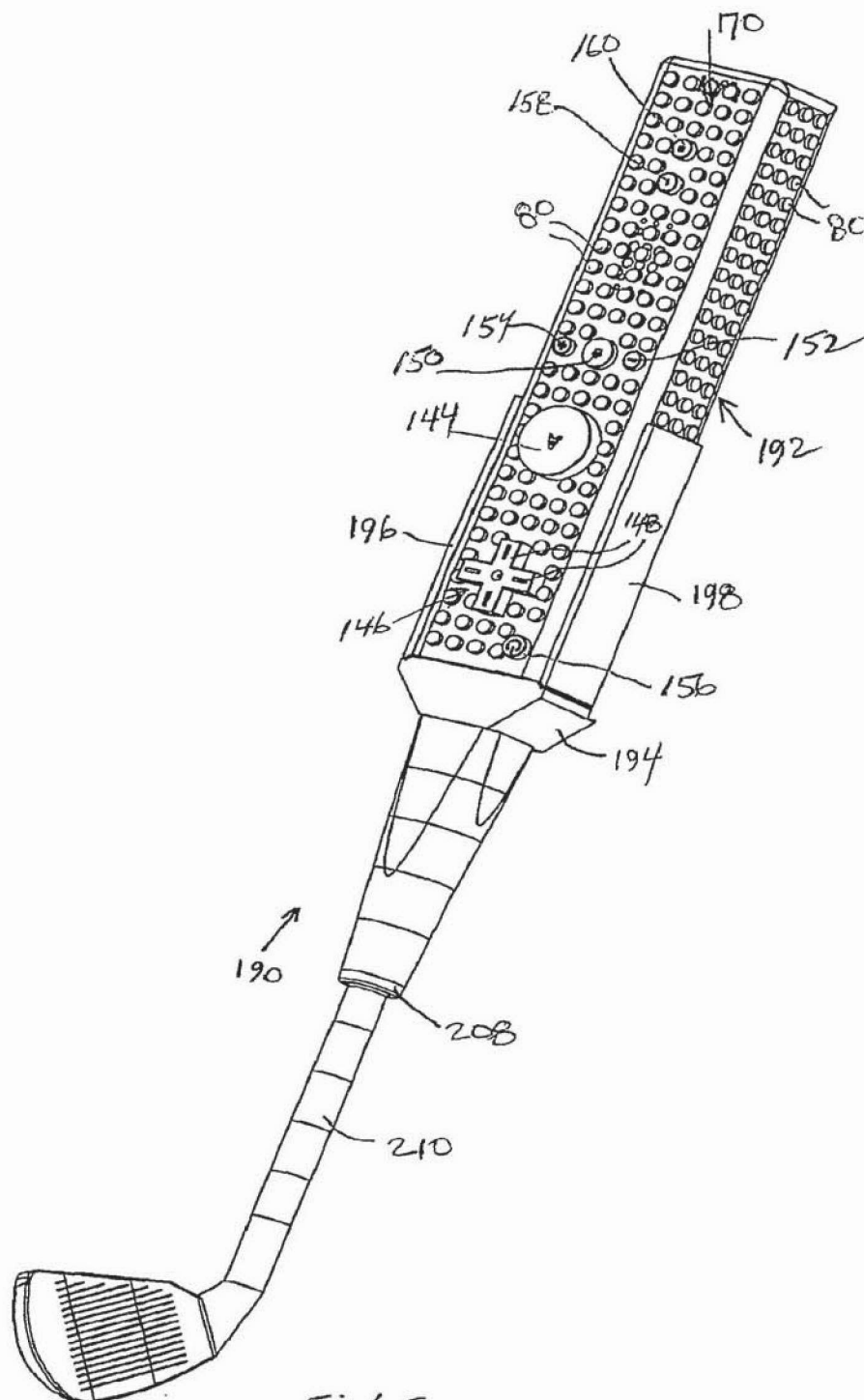


Fig. 6C

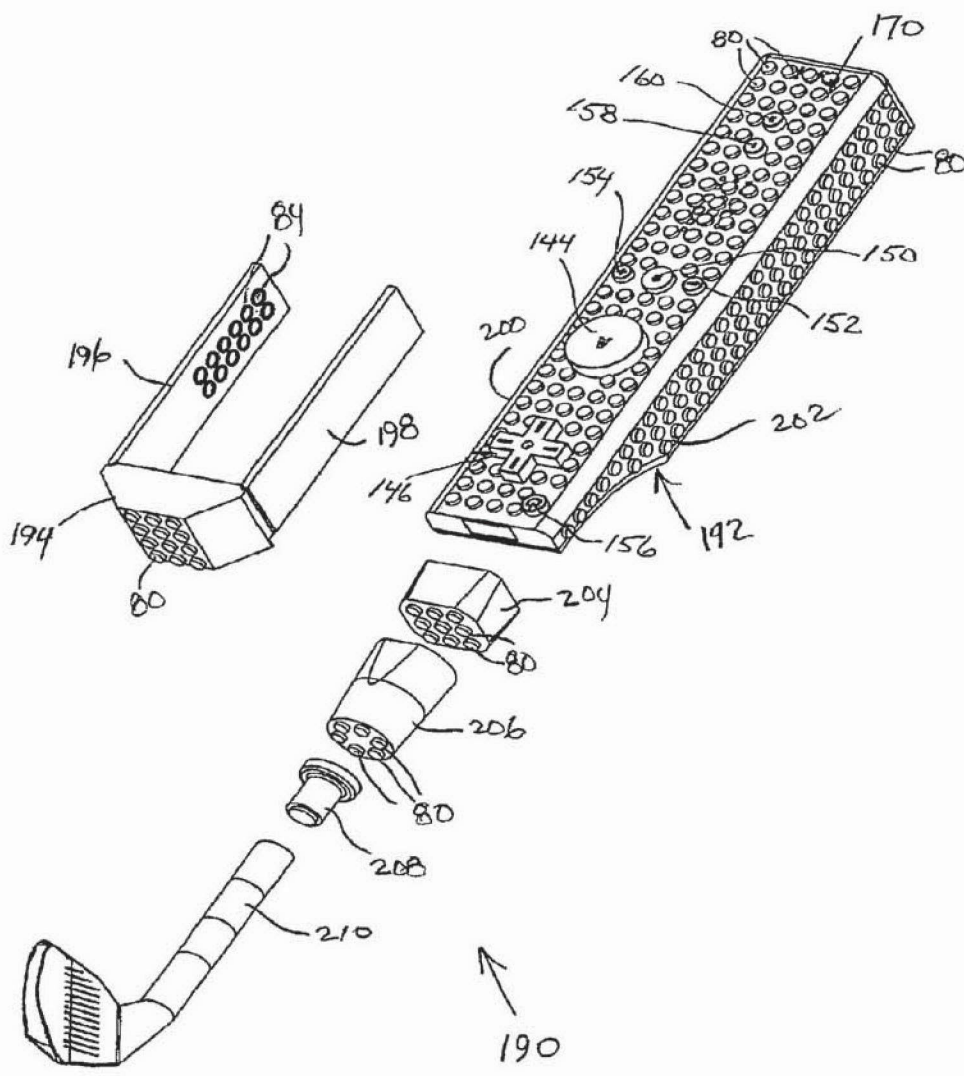


Fig. 6D

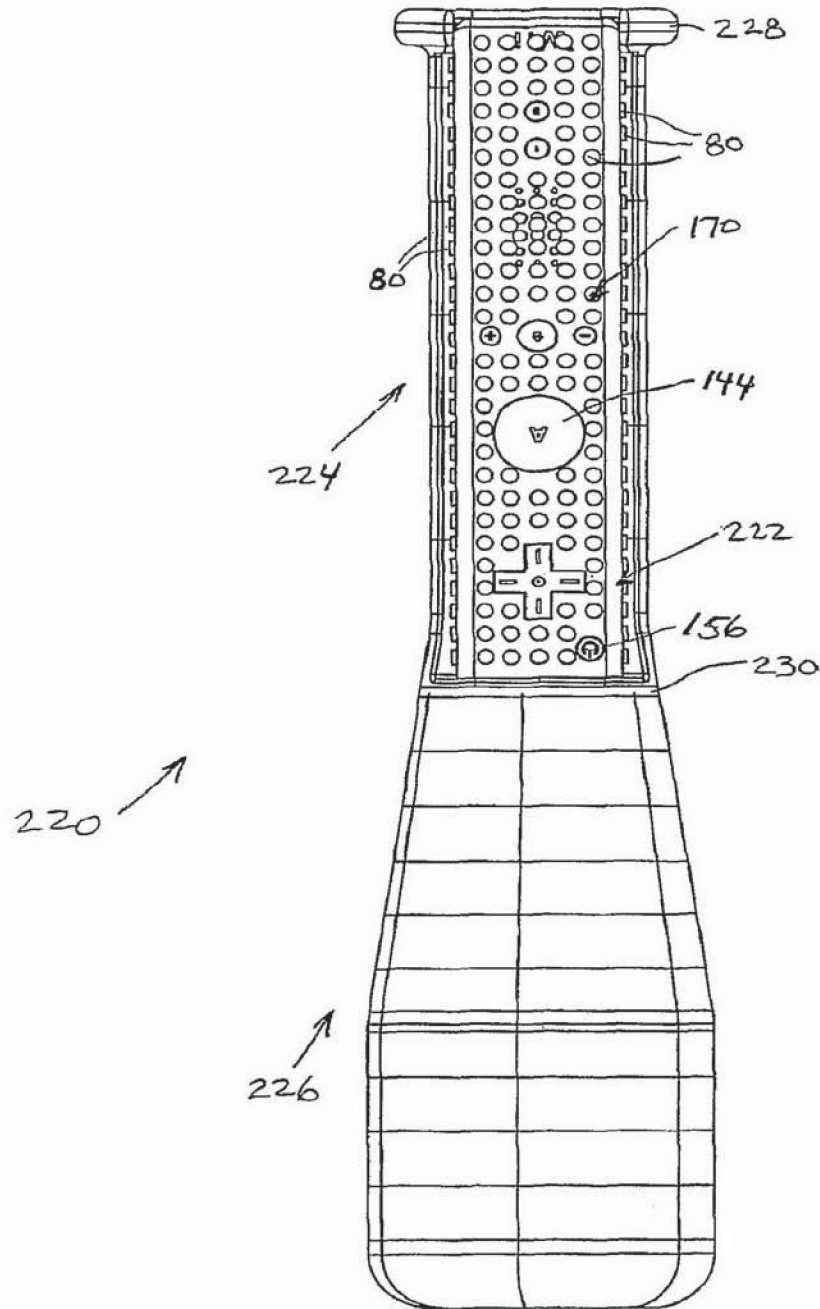


Fig. 7A

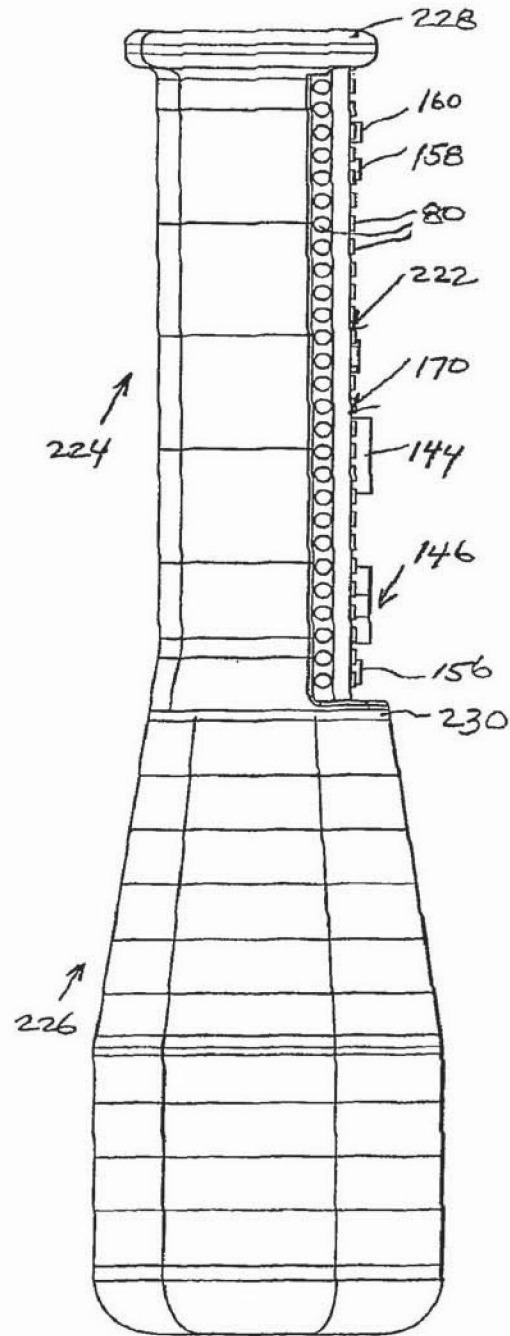


Fig. 7B

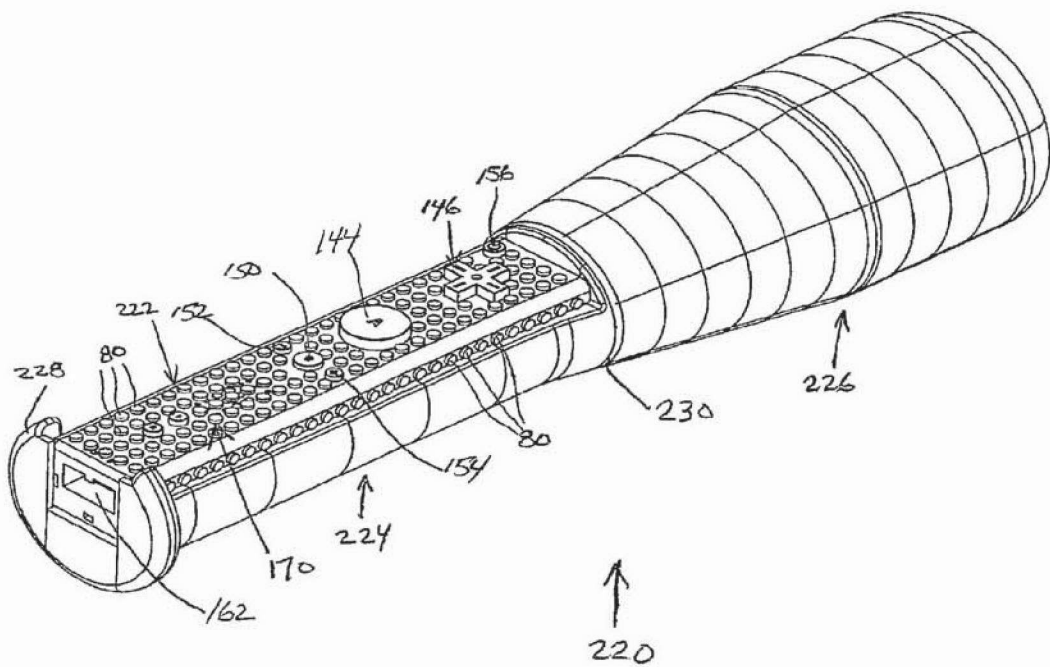


Fig. 7c

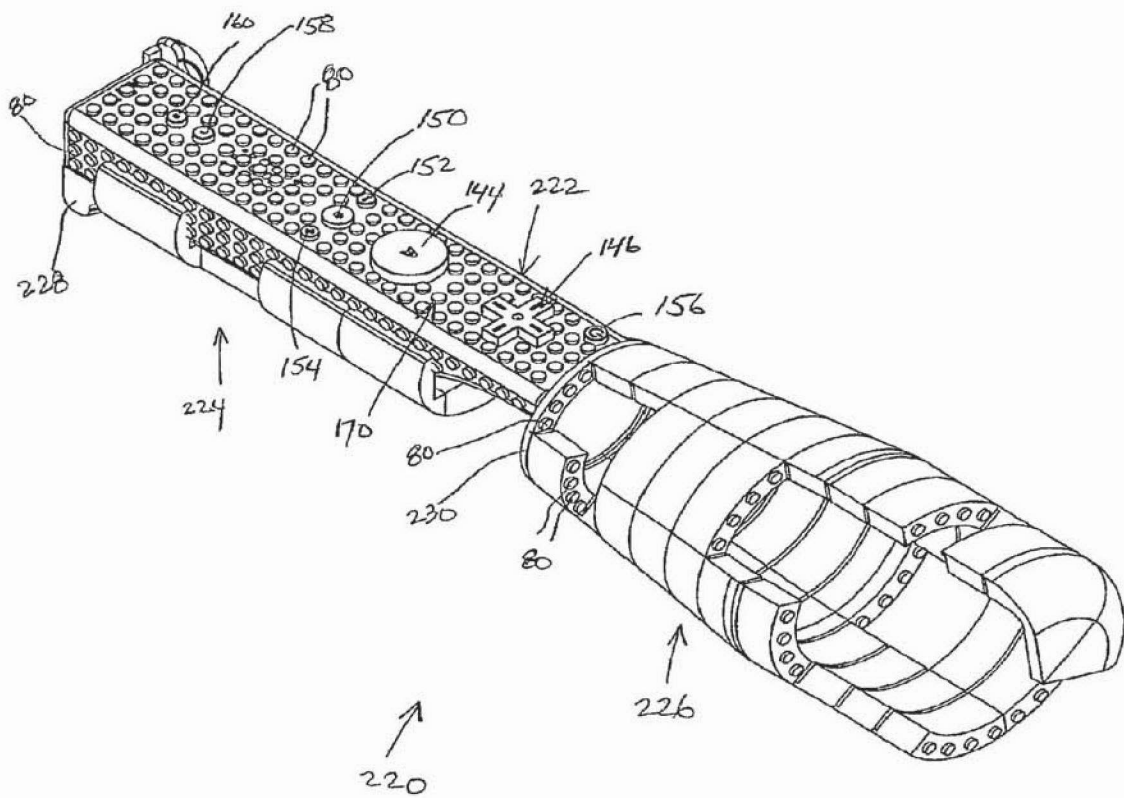


Fig. 7D

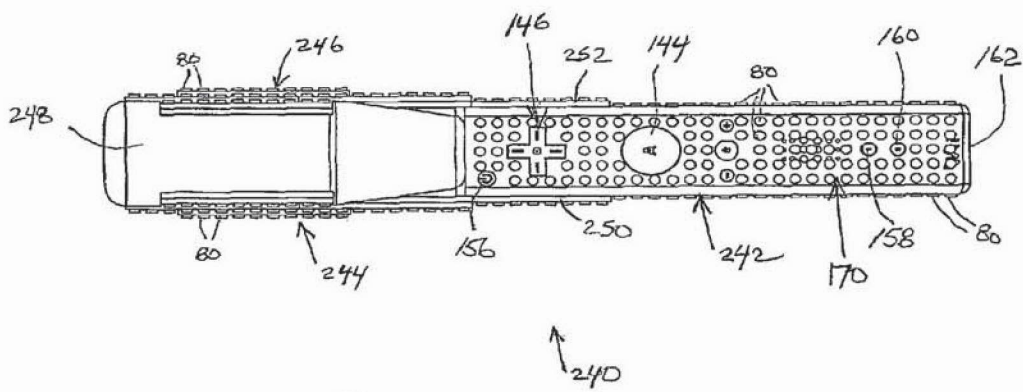


Fig. 8A

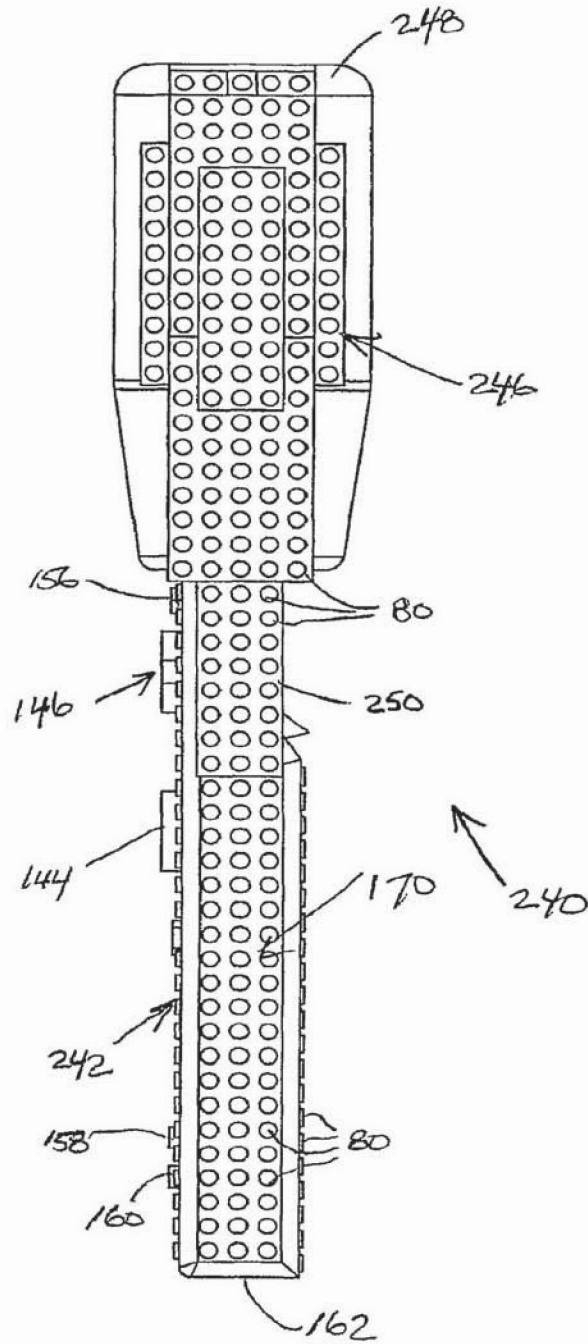


Fig. 8B

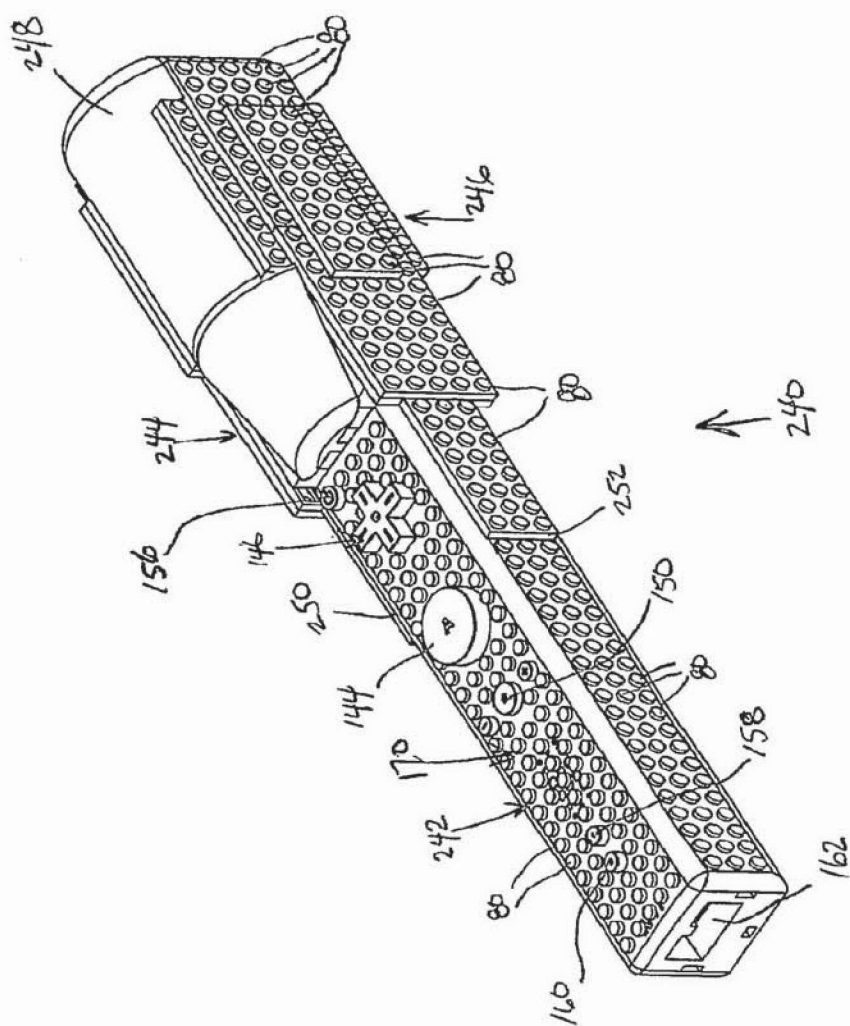


Fig. 8C

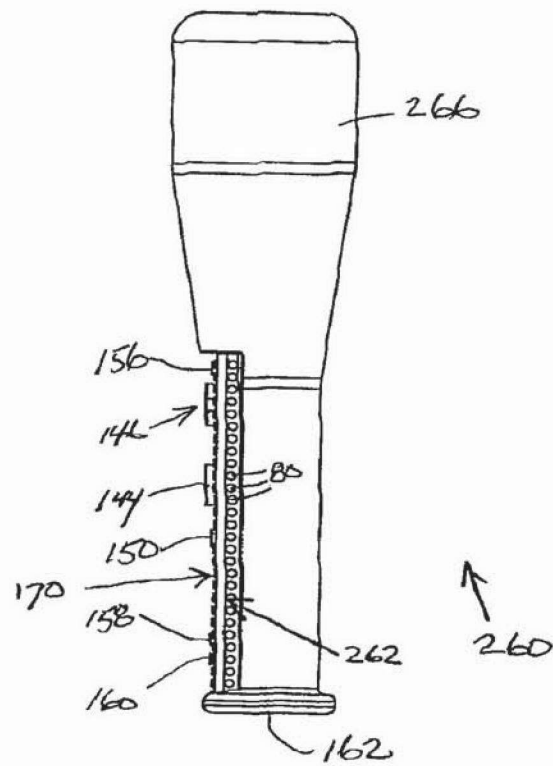


Fig. 9A

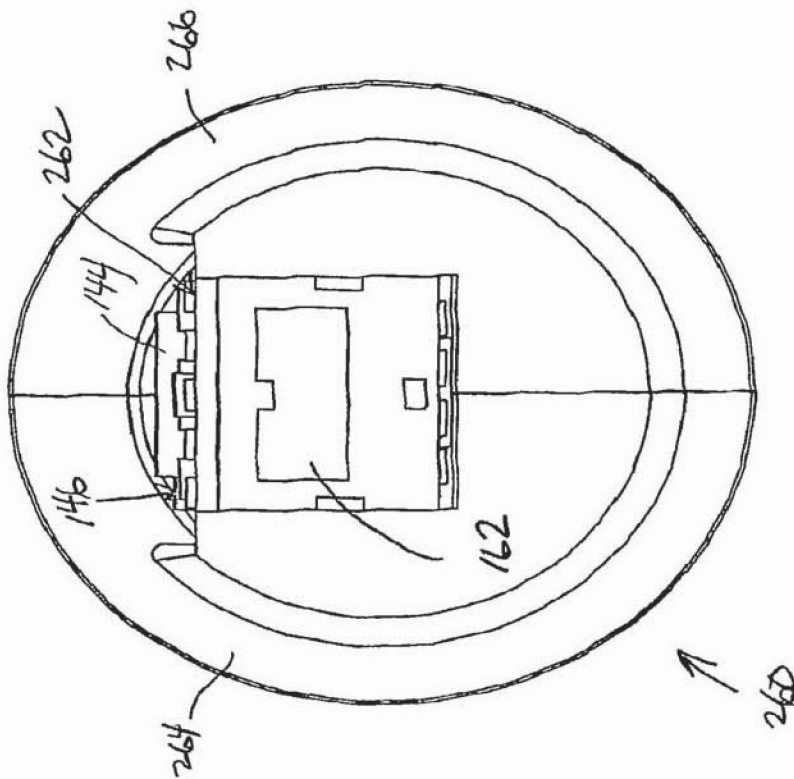


Fig. 9B

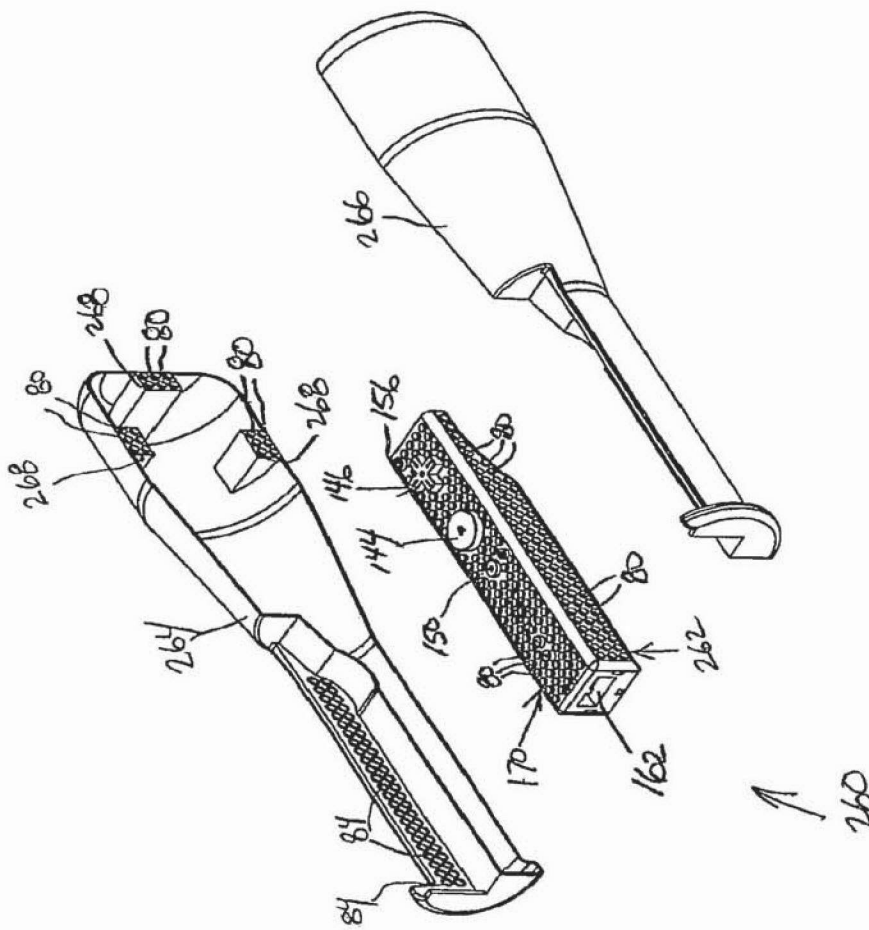


Fig. 9C

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**METHOD OF FACILITATING USER
PREFERENCE IN CREATIVE DESIGN OF A
CONTROLLER**

RELATED APPLICATIONS

This application is a continuation of U.S. patent application Ser. No. 13/347,414, filed Jan. 10, 2012, now U.S. Pat. No. 8,628,085, which is a continuation of U.S. patent application Ser. No. 12/795,540, filed Jun. 7, 2010, now U.S. Pat. No. 8,091,892, which is a continuation of U.S. patent application Ser. No. 12/278,102, filed Aug. 1, 2008, now U.S. Pat. No. 7,731,191, which is a 371 of PCT/US07/03462, filed Feb. 9, 2007, which claims benefit of U.S. Provisional Patent Application No. 60/772,343, filed Feb. 10, 2006.

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TECHNICAL FIELD

This disclosure relates to a manual controller for manipulating images or symbols on a visual display and, in particular, to a controller that can be constructed with user-arranged matable building elements to exhibit a customized shape and style depending on user game-inspired, ergonomic, or appearance preferences.

BACKGROUND INFORMATION

Manual controllers for manipulating images or symbols on a visual display of a computer device include, for example, joysticks, game pads, steering wheels, guns, mice, remote devices for television, stored multi-media display and recording machines, cellular telephones, portable video game systems, and portable multi-media devices. One prevalent type of manual controller comprises a control section having a plurality of buttons that the user presses to enter commands and hand grips that the user holds when the user operates the manual controller. Conventional manual controllers are distributed with a predetermined appearance and ergonomic structure. Manual controllers are operated by a variety of users with different hand sizes. Moreover, each user has different ergonomic and style preferences.

SUMMARY OF DISCLOSURE

A configurable manual controller for manipulating images or symbols on a display is adapted for construction with matable building elements arranged by a user. The user forms the manual controller to exhibit a customized shape and ornamental appearance reflecting the user's game-inspired, ergonomic, or style preferences.

The configurable manual controller comprises an exoskeleton having an interior region and a patterned surface portion. The interior region is configured to confine internal electrical components that are operatively connected to and cooperate with control actuators to produce signals for manipulating images or symbols on the display. The control actuators are positioned for tactile manipulation by a user to cause produc-

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tion of the signals. The patterned surface portion is configured to support a set of building elements. The building elements in the set are configurable for mating to the patterned surface portion of the exoskeleton and to one another. This enables a user to customize the controller to an arbitrary shape and ornamental appearance, according to the user's game-inspired, ergonomic, or style preferences.

In a first embodiment, the exoskeleton of a controller comprises a main section and a hand grip section, either or both of which include at least one patterned surface portion on which a user can build with the building elements to create a controller of various shapes and appearances according to the user's preference. This can be accomplished by one or both of attachment and add-on techniques. In a second embodiment, the exoskeleton of a controller comprises a unitary main and hand grip section that includes at least one patterned surface portion on which a user can build with the building elements to create a customized controller. The resulting arbitrary controller configuration determined by a user can be a recreation equipment item, for example as described below, a golf club or a baseball bat.

Additional aspects and advantages will be apparent from the following detailed description of preferred embodiments, which proceeds with reference to the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is an exploded view of a first preferred embodiment of a configurable manual controller.

FIG. 2 is an exploded view of the matable building elements assembled to form a hand grip that attaches to an exoskeleton surface of the manual controller of FIG. 1.

FIG. 3 is a top plan view of a patterned surface portion of the exoskeleton of the manual controller of FIG. 1.

FIG. 4 is an isometric view of a second embodiment of a manual controller that includes a unitary main and hand grip section.

FIG. 5 is an enlarged fragmentary view of the manual controller of FIG. 4 shown with two building elements with different top side mating features.

FIGS. 6A, 6B, 6C, and 6D are, respectively, plan, side elevation, isometric, and exploded views of a first example of a customized controller built in the form of a golf club around the type of remote controller shown in FIG. 4.

FIGS. 7A, 7B, 7C, and 7D are, respectively, plan, side elevation, isometric, and partly assembled views of a second example of a customized controller built in the form of a baseball bat around the type of remote controller shown in FIG. 4.

FIGS. 8A, 8B, 8C, and 8D are, respectively, plan, side elevation, isometric, and partly exploded views of a third example of a customized controller built with several layers of mated building elements around the type of remote controller shown in FIG. 4 to form a baseball bat with an unfinished surface.

FIGS. 9A, 9B, and 9C are, respectively, side elevation, end, and exploded views of a fourth example of a customized controller built with two matable, styled half-section building elements that partly enclose the type of remote controller of FIG. 4 to form a baseball bat.

DETAILED DESCRIPTION OF PREFERRED
EMBODIMENTS

FIG. 1 is an exploded view of a first preferred embodiment of a configurable manual controller 10 that is used with a

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computing device (not shown) for manipulating images or symbols on a display (not shown). Although it does not show a cable, this embodiment can be connected to a computing device through a cable or a wireless communication link. Manual controller 10 includes an exoskeleton 12 formed of a main housing 14 and a main casing 16 that conformably fits around the side surface of main housing 14. Main housing 14 fits inside of but is readily separable from main casing 16. Main housing 14 houses in its interior the electrical components necessary for controlling symbols or images on a display associated with a computer device. Main casing 16 has a patterned surface portion 20 that in part covers hand grip mounting plates 22 (one shown) to which removable hand grips 30 and 32 can be attached as described below. Skilled persons will appreciate that exoskeleton 12 can be alternatively made as a unitary structure having a surface on which patterned surface portion 20 is formed.

As shown in FIG. 1, exoskeleton 12 has an attachable left-hand grip 30 and an attachable right-hand grip 32 for two-handed gripping by a user. A left-side control pad 34, including four pressable control members 36, and a left-side analog stick control 38 are positioned for access by digits of the user's left hand; and a right-side control pad 44, including four control buttons 46, and a right-side analog stick control 48 are positioned for access by digits of the user's right hand. A selection button 64 and a start button 66 are positioned between hand grips 30 and 32. Skilled persons will appreciate that the above-described number of control actuators, control actuator layout pattern, and hand grip arrangement represent only one of numerous possible control actuator and hand grip configurations. The internal electrical components include the actual electronic circuits, controls, and corresponding switch elements for control pads 34 and 44 and buttons 64 and 66.

Patterned surface portion 20, which in this embodiment covers the exterior side surface of main casing 16, includes a surface pattern in the form of an array of mutually spaced-apart cylindrical mating features or bosses 80. Each of hand grips 30 and 32 has a handle mount 82 on which is formed an array of mutually spaced-apart cylindrical mating features or recesses 84. The diameter and depth of each recess 84 and the spacing distances between adjacent ones of recesses 84 are established so that recesses 84 mate with corresponding bosses 80 and provide a snug, releasable attachment of each of hand grips 30 and 32 to main casing 16.

FIG. 2 shows the matable building elements that when assembled form left-hand grip 30 shown in FIG. 1. Left hand-grip 30 is made up of five building elements, of which some have different matable features and some have smooth finished surfaces that contribute to the ornamental appearance and ergonomic quality of the hand grip.

Left-hand grip 30 includes a five-section body element 90 to which the remaining building elements attach. A mounting element 92 has three recesses (not shown) that mate with three corresponding bosses 80 of a mounting section 94 of body element 90 to form handle mount 82 (FIG. 1) having eight recesses 84. Handle mount 82 fits over and attaches to hand grip mounting plate 22 (FIG. 1), with eight recesses 84 and eight corresponding bosses 80 in mating relationship. A medial side element 96 has nine bosses 80 that mate with nine corresponding recesses of a center section 98 of body element 90. A lateral side element 100 has nine recesses (not shown) that mate with nine corresponding bosses 80 of a distal section 102 of body element 90. Side elements 96 and 100 contribute to the shape and appearance of the gripping surface of left-hand grip 30. An end piece 104 has two bosses 80 that mate with two corresponding recesses (not shown) of a tip

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section 106 of body element 90 to form a rounded terminal end of left-hand grip 30. The assembled left-hand grip 30 is shown in FIG. 1 with its side elements 96 and 100 removed. Right-hand grip 32 can be assembled in a corresponding manner to that described above.

FIG. 3 shows a patterned surface portion 120 covering most of the top surface of main housing 14 (FIG. 1), except for the actuators on control pads 34 and 44. Patterned surface portion 120 includes a surface pattern in the form of an array of mutually spaced-apart bosses 80 in the same array pattern as that of patterned surface portion 20 (FIG. 1).

Patterned surface portion 120 is configured to receive matable building elements 122. Building elements 122 in this embodiment are preferably small molded plastic components that are stackable upon one another, like small bricks, to create a desired object. (Building elements 122 intended to provide a finished surface typically do not have top surface mating features that would enable stacking of another layer of building elements.) Building elements 122 can be of different colors. Suitable building elements 122 include LEGO toy bricks, available from Interlego AG, Zug, Switzerland.

A preferred building element 122 has on its bottom side recesses 84 that are sized to mate with spatially corresponding bosses 80 so that building element 122 can be affixed to and thereby cover part of patterned surface portion 120. Skilled persons will appreciate that a building element 122 having multiple recesses 84 on its bottom side is configured so that adjacent recesses 84 are separated by the same distance as that separating corresponding adjacent bosses 80 in patterned surface portion 120. The spaced-apart bottom side recesses 84 of building element 122 that are sized to mate with spatially corresponding bosses 80 of patterned surface portion 120 define a recess feature pattern that is complementary to patterned surface portion 120. FIG. 3 shows a building element 122a that has an open rectangular bottom side recess 124 that is sized to fit over and against lateral arcuate peripheral portions of two adjacent bosses 80 to mate with them in an operational manner. Building element 122a defines a surface feature that is matable to bosses 80 in, but not is complementary to, patterned surface portion 120.

Either building element 122 or 122a has on its top side the absence or presence of a matable feature. FIG. 3 shows attached to main housing 14 (FIG. 1) a building element 122s having a smooth top surface that can be of a color or that contributes to a finished decorative pattern selected by a user. FIG. 3 also shows attached to main housing 14 and positioned adjacent building element 122s a building element 122b having on its top side two bosses 80 to which another building element 122b could mate at its bottom surface.

For purposes of simplicity and uniformity, a user preferably constructs a manual controller with a set of stackable building elements in which the bottom side feature and the top side feature mates with and operationally matches, respectively, the features in a patterned surface portion of the manual controller. Operationally match is defined to mean that a top side feature is matable to the bottom side feature of the same building element. This is the situation illustrated in FIG. 3 and FIGS. 8A, 8B, 8C, and 8D below. A user constructing a manual controller with building elements 122 stacked to form a specific shape could do so, however, by assembling a set of stackable building elements that are included in subsets. A first subset of building elements could be one in which the bottom side feature mates with, but the top side feature does not operationally match, the features of a patterned surface portion of the manual controller. A second subset of building elements could be one in which the bottom

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side feature mates with, and the top side feature operationally matches, the top side feature of the building elements in the first subset.

FIG. 4 is an isometric view of a second preferred embodiment of a configurable portable manual controller 140 that includes a unitary main and hand grip section. Manual controller 140 is built around a remote controller in the form of a Wii™ remote controller, which is available from Nintendo of America, Inc., Redmond, Wash., and is implemented with motion sensors that move images on a display in response to user movement of manual controller 140. Manual controller 140 includes an exoskeleton 142 that is a main housing that houses in its interior the electrical components necessary for controlling symbols or images on a display associated with a computer device. As shown in FIG. 4, exoskeleton 142 has a control actuator 144 located between a control pad 146 including four pressable control members 148 and a menu button 150 and two control actuator buttons 152 and 154. A power button 156 is located near the front end, two control actuator buttons 158 and 160 are located near the back end, and a joystick connector receptacle 162 is located in the back surface of manual controller 140. Exoskeleton 142 has a tapered front end bottom surface on which a user can rest his fingers to grasp the controller and operate a trigger device (not shown).

Exoskeleton 142 has patterned surface portions 170 and 172 that together cover most of the exterior of exoskeleton 142. Similar to patterned surface portion 20 of main casing 16 of manual controller 10 shown in FIG. 1, patterned surface portion 170 covering the top surface of manual controller 140 includes a surface pattern in the form of an array of mutually spaced-apart cylindrical mating features or bosses 80. Patterned surface portion 172 covering a side surface of manual controller 140 includes a surface pattern in the form of an array of mutually spaced-apart square mating features 174. For purposes of simplicity, it is preferable to cover exoskeleton 142 with patterned surface portions including arrays of the same mating features.

FIGS. 4 and 5 show two examples of building elements that are matable to manual controller 140. A building element 176 shown positioned above (but not mated to) a building element 178 has top side cylindrical features 80 in a surface pattern that is less densely packed than features 80 in the surface pattern of patterned surface portion 170. Building element 178 shown mated to bosses 80 of patterned surface portion 170 has top side square features 174 of patterned surface portion 172. Building element 178 may have bottom side features that are matable to either cylindrical features 80 or square features 174, depending on the surface of manual controller 140 on which a user intends to build.

FIGS. 6A, 6B, 6C, and 6D show a customized controller built in the form of a golf club 190 around a remote controller in the form of a Wii™ remote controller. Golf club 190 includes an exoskeleton 192 that has a surface portion 170, which is described above with reference to FIG. 4. As best shown in FIG. 6D, golf club 190 includes five building elements, of which adjacent ones mate with each other and all of which collectively mate with exoskeleton 192. A mounting element 194 includes two side sections 196 and 198 having recesses 84 that mate with corresponding bosses 80 on respective sides 200 and 202 of exoskeleton 192. Golf club shaft components 204, 206, 208, and 210 mate in series connection to form an assembled golf club 190.

FIGS. 7A, 7B, 7C, and 7D show a customized controller built in the form of a baseball bat 220 around a remote controller in the form of a Wii™ remote controller. Baseball bat 220 includes an exoskeleton 222 that has a surface portion

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170, which is described above with reference to FIG. 4. As best shown in FIG. 7D, baseball bat 220 includes five building elements (two of which are partly or completely removed to illustrate mating bosses 80 of exoskeleton 222) mated to exoskeleton 222 to form a bat handle 224 and eleven building elements (several of which partly cut away to show mating bosses 80 on adjacent building elements) mated in series connection to form a bat barrel 226. A building element 228 mates to the rear end of exoskeleton 222 to provide a bat heel, and a building element 230 mates with the front end of exoskeleton 222 to interconnect it with bat barrel 226.

FIGS. 8A, 8B, 8C, and 8D show a customized controller built in the form of a baseball bat 240 around a remote controller in the form of a Wii™ remote controller. Baseball bat 240 includes an exoskeleton 242 that has a surface portion 170, which is described above with reference to FIG. 4. As best shown in FIG. 8D, baseball bat 240 is formed of two multi-layer stacks 244 and 246 of building elements positioned on and mated to either side of a bat barrel core section 248. Rectangular building elements 250 and 252 included in respective multi-layer stacks 244 and 246 have recesses 84 (not shown) that mate with bosses 80 on the sides of exoskeleton 242 at its tapered end to connect bat barrel core section 248 to exoskeleton 240. Unlike baseball bat 220 of FIGS. 7A, 7B, 7C, and 7D, baseball bat 240 has substantially large unfinished surface portions.

FIGS. 9A, 9B, and 9C show a customized controller built in the form of a baseball bat 260 around a remote controller in the form of a Wii™ remote controller. Baseball bat 260 includes an exoskeleton 262 that has a surface portion 170, which is described above with reference to FIG. 4. As best shown in FIG. 9C, baseball bat 260 is formed with two matable half-section building elements 264 and 266 that resemble longitudinal half-sections of a complete bat, including its handle and barrel. The interior surfaces of building elements 264 and 266 have arrays of recesses 84 that mate with bosses 80 on the side surfaces of exoskeleton 262 to connect building elements 264 and 266 to exoskeleton 262. The interior surface of building element 264 has three mounts 268 for sets of bosses 80 that mate with corresponding recesses 84 on the interior surface (not shown) of building element 266 to connect building elements 264 and 266 together. Baseball bat 260 presents with very few building elements a finished replica of a baseball bat.

It will be obvious to those having skill in the art that many changes may be made to the details of the above-described embodiments without departing from the underlying principles of the invention. The scope of the present invention should, therefore, be determined only by the following claims.

The invention claimed is:

1. A method of facilitating user preference in creative design of a controller for manipulating images or symbols on a display, the controller having a housing with an exterior surface and an interior region confining electrical components for producing signals for manipulating image or symbols on the display, comprising:

providing a main casing configured to conformably fit around a portion of the exterior surface of and thereby receive the housing of the controller, the main casing having a patterned surface portion configured to support a set of building elements that are configurable for mating to the patterned surface portion; and

providing in the set of building elements a subset of building elements that are matable to one another and configured for a user to build on the patterned surface portion of the main casing a customized replica of at least a

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portion of a play item and thereby transform the exterior surface of the housing of the controller to a customized shape and appearance in accordance with the user's preference.

2. The method of claim 1, further comprising control actuators operatively connected to the electrical components, the control actuators including a type of actuator that responds to user movement of the controller to produce the signals for manipulating the images or symbols.

3. The method of claim 2, in which the type of actuator is a motion sensor.

4. The method of claim 1, further comprising control actuators operatively connected to the electrical components, the control actuators including a type of actuator that responds to user tactile manipulation of the controller to produce the signals for manipulating the images or symbols.

5. The method of claim 1, further comprising a hand grip section having a patterned surface portion configured for operative connection to the main casing to provide a gripping portion on which the user can grasp during play activity.

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6. The method of claim 1, in which the set of building elements constitutes a first set of building elements, and further comprising providing a second set of building elements in the form of multiple components having matable and non-matable surfaces, the matable surfaces configured to mate with building elements in the subset and the nonmatable surfaces configured to not mate with the patterned surface portion of the main casing or the first set of building elements, the multiple components of the second set of building elements contributing to the building on the patterned surface portion of the main casing a customized replica of at least a portion of a play item configured for use in play activity.

7. The method of claim 1, in which the controller comprises a cellular telephone and a control section, the cellular telephone being operationally responsive to user-entered commands that are delivered to the control section.

8. The method of claim 1, in which the set of building elements includes a building element in the form of a play item having a surface that is not matable to the patterned surface portion.

* * * * *



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BIB DATA SHEET

CONFIRMATION NO. 6897

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
14/155,013	01/14/2014	273	3711	22120/5:5		
APPLICANTS IPPASA, LLC, Scottsdale, AZ, Assignee (with 37 CFR 1.172 Interest); INVENTORS Aaron B. Sternberg, Scottsdale, AZ; ** CONTINUING DATA ***** This application is a CON of 13/347,414 01/10/2012 PAT 8628085 which is a CON of 12/795,540 06/07/2010 PAT 8091892 which is a CON of 12/278,102 08/01/2008 PAT 7731191 which is a 371 of PCT/US07/03462 02/09/2007 which claims benefit of 60/772,343 02/10/2006 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** ** SMALL ENTITY ** 01/28/2014						
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and Acknowledged <u>/RALEIGH W CHIU/</u> Examiner's Signature		<input type="checkbox"/> Met after Allowance Initials	STATE OR COUNTRY AZ	SHEETS DRAWINGS 20	TOTAL CLAIMS 6	INDEPENDENT CLAIMS 1
ADDRESS STOEL RIVES LLP - PDX 900 SW 5TH AVENUE SUITE 2600 PORTLAND, OR 97204 UNITED STATES						
TITLE METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER						
FILING FEE RECEIVED 730	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

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EFS ID:	17911465
Application Number:	14155013
International Application Number:	
Confirmation Number:	6897
Title of Invention:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER
First Named Inventor/Applicant Name:	Aaron B. Sternberg
Customer Number:	3528
Filer:	Paul Stephen Angello
Filer Authorized By:	
Attorney Docket Number:	22120/5:5
Receipt Date:	14-JAN-2014
Filing Date:	
Time Stamp:	17:25:53
Application Type:	Utility under 35 USC 111(a)

Payment information:

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Payment was successfully received in RAM	\$ 730
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1	Transmittal of New Application	ippasa55xmittal.PDF	27350 788711c18fe40246c93b4c4d456dbd815ab20eee	no	1
Warnings:					
Information:					
2	Application Data Sheet	ippasa55ADS.pdf	1561630 1108c40974c1bca6e77b5e8de94cd65a3f4cf056	no	7
Warnings:					
Information:					
3		ippasa55spec.PDF	72797 9d1763d2999ae26102365d131cce5aac8bfa8002	yes	11
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	9	
	Claims		10	10	
	Abstract		11	11	
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4	Drawings-only black and white line drawings	ippasa55drgs.pdf	402167 7378b41a0465996d5d284ef1d00d5cf5a4e0ce19	no	20
Warnings:					
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5	Oath or Declaration filed	ippasa55decln.PDF	12496 33d03d7f6a1f95c8325a11d1f5d3dcf3327d6b6f	no	2
Warnings:					
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6	Fee Worksheet (SB06)	fee-info.pdf	33134 956c499b2a9dd9cd2f5b2e34f89e7b917f98ac3e	no	2
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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.


National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No.	22120/5:5	
		First Named Inventor	Aaron B. Sternberg	
		Title	METHOD OF FACILITATING...	
		Express Mail Label No.		
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>		ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450		
1. <input type="checkbox"/> Fee Transmittal Form (PTO/SB/17 or equivalent) 2. <input checked="" type="checkbox"/> Applicant asserts small entity status. See 37 CFR 1.27 3. <input type="checkbox"/> Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent. 4. <input checked="" type="checkbox"/> Specification [Total Pages 11] Both the claims and abstract must start on a new page. (See MPEP § 608.01(a) for information on the preferred arrangement) 5. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 20] 6. <input checked="" type="checkbox"/> Inventor's Oath or Declaration [Total Pages 2] (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e)) a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> A copy from a prior application (37 CFR 1.63(d)) 7. <input checked="" type="checkbox"/> Application Data Sheet * See note below. See 37 CFR 1.76 (PTO/AIA/14 or equivalent) 8. <input type="checkbox"/> CD-ROM or CD-R In duplicate, large table, or Computer Program (Appendix) <input type="checkbox"/> Landscape Table on CD 9. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, items a. - c. are required) a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies		ACCOMPANYING APPLICATION PAPERS 10. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) Name of Assignee _____ 11. <input type="checkbox"/> 37 CFR 3.73(c) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney 12. <input type="checkbox"/> English Translation Document (if applicable) 13. <input type="checkbox"/> Information Disclosure Statement (PTO/SB/08 or PTO-1449) <input type="checkbox"/> Copies of citations attached 14. <input type="checkbox"/> Preliminary Amendment 15. <input type="checkbox"/> Return Receipt Postcard (MPEP § 503) (Should be specifically itemized) 16. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 17. <input type="checkbox"/> Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent. 18. <input type="checkbox"/> Other: _____ _____ _____ _____		
<p>*Note: (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 must be included in an Application Data Sheet (ADS). (2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).</p>				
19. CORRESPONDENCE ADDRESS				
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Signature			Date	January 14, 2014
Name (Print/Type)	Paul S. Angello		Registration No. (Attorney/Agent)	30,991

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	22120/5:5	
		Application Number		
Title of Invention	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER			
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.				

Secrecy Order 37 CFR 5.2

<input type="checkbox"/> Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
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Inventor Information:

Inventor 1 Remove				
Legal Name				
Prefix	Given Name	Middle Name	Family Name	Suffix
	Aaron	B.	Sternberg	
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service				
City	Scottsdale	State/Province	AZ	Country of Residence i US
Mailing Address of Inventor:				
Address 1	11149 E. Greenway Road			
Address 2				
City	Scottsdale	State/Province	AZ	
Postal Code	85255	Country i	US	
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add				

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Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).				
<input type="checkbox"/> An Address is being provided for the correspondence information of this application.				
Customer Number	3528			
Email Address	patlaw@stoel.com	Add Email	Remove Email	
Email Address	psangelo@stoel.com	Add Email	Remove Email	

Application Information:

Title of the Invention	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER		
Attorney Docket Number	22120/5:5	Small Entity Status Claimed	<input checked="" type="checkbox"/>
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	20	Suggested Figure for Publication (if any)	6D

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	22120/5:5
		Application Number	
Title of Invention	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER		

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

Request Early Publication (Fee required at time of Request 37 CFR 1.219)

Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	<input checked="" type="radio"/> Customer Number	<input type="radio"/> US Patent Practitioner	<input type="radio"/> Limited Recognition (37 CFR 11.9)
Customer Number	3528		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the application number blank.

Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
	Continuation of	13/347414	2012-01-10	8628085	2014-01-14
Prior Application Status		Patented		Remove	

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	22120/5:5		
		Application Number			
Title of Invention	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER				
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13/347414	Continuation of	12/795540	2010-06-07	8091892	2012-01-10
Prior Application Status	Patented			<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12/795540	Continuation of	12/278102	2008-08-01	7731191	2010-06-08
Prior Application Status	Expired			<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
12/278102	a 371 of international	PCT/US07/03462	2007-02-09		
Prior Application Status	Expired			<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
PCT/US07/03462	Claims benefit of provisional	60/772343	2006-02-10		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					<input type="button" value="Add"/>

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

<input type="button" value="Remove"/>			
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	22120/5:5
	Application Number	
Title of Invention	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER	

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.



NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	22120/5:5
	Application Number	
Title of Invention	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER	

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METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER

Related Applications

[0001] This application is a continuation of U.S. Patent Application No. 13/347,414, filed January 10, 2012, now U.S. Patent No. 8,628,085, which is a continuation of U.S. Patent Application No. 12/795,540, filed June 7, 2010, now U.S. Patent No. 8,091,892, which is a continuation of U.S. Patent Application No. 12/278,102, filed August 1, 2008, now U.S. Patent No. 7,731,191, which is a 371 of PCT/US07/03462, filed February 9, 2007, which claims benefit of U.S. Provisional Patent Application No. 60/772,343, filed February 10, 2006.

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Technical Field

[0003] This disclosure relates to a manual controller for manipulating images or symbols on a visual display and, in particular, to a controller that can be constructed with user-arranged matable building elements to exhibit a customized shape and style depending on user game-inspired, ergonomic, or appearance preferences.

Background Information

[0004] Manual controllers for manipulating images or symbols on a visual display of a computer device include, for example, joysticks, game pads, steering wheels, guns, mice, remote devices for television, stored multi-media display and recording machines, cellular telephones, portable video game systems, and portable multi-media devices. One prevalent type of manual controller comprises a control section

having a plurality of buttons that the user presses to enter commands and hand grips that the user holds when the user operates the manual controller. Conventional manual controllers are distributed with a predetermined appearance and ergonomic structure. Manual controllers are operated by a variety of users with different hand sizes. Moreover, each user has different ergonomic and style preferences.

Summary of Disclosure

[0005] A configurable manual controller for manipulating images or symbols on a display is adapted for construction with matable building elements arranged by a user. The user forms the manual controller to exhibit a customized shape and ornamental appearance reflecting the user's game-inspired, ergonomic, or style preferences.

[0006] The configurable manual controller comprises an exoskeleton having an interior region and a patterned surface portion. The interior region is configured to confine internal electrical components that are operatively connected to and cooperate with control actuators to produce signals for manipulating images or symbols on the display. The control actuators are positioned for tactile manipulation by a user to cause production of the signals. The patterned surface portion is configured to support a set of building elements. The building elements in the set are configurable for mating to the patterned surface portion of the exoskeleton and to one another. This enables a user to customize the controller to an arbitrary shape and ornamental appearance, according to the user's game-inspired, ergonomic, or style preferences.

[0007] In a first embodiment, the exoskeleton of a controller comprises a main section and a hand grip section, either or both of which include at least one patterned surface portion on which a user can build with the building elements to create a controller of various shapes and appearances according to the user's preference. This can be accomplished by one or both of attachment and add-on techniques. In a second embodiment, the exoskeleton of a controller comprises a unitary main and hand grip section that includes at least one patterned surface portion on which a user can build with the building elements to create a customized controller. The resulting arbitrary controller configuration determined by a user can be a recreation equipment item, for example as described below, a golf club or a baseball bat.

[0008] Additional aspects and advantages will be apparent from the following detailed description of preferred embodiments, which proceeds with reference to the accompanying drawings.

Brief Description of the Drawings

[0009] Fig. 1 is an exploded view of a first preferred embodiment of a configurable manual controller.

[0010] Fig. 2 is an exploded view of the matable building elements assembled to form a hand grip that attaches to an exoskeleton surface of the manual controller of Fig. 1.

[0011] Fig. 3 is a top plan view of a patterned surface portion of the exoskeleton of the manual controller of Fig. 1.

[0012] Fig. 4 is an isometric view of a second embodiment of a manual controller that includes a unitary main and hand grip section.

[0013] Fig. 5 is an enlarged fragmentary view of the manual controller of Fig. 4 shown with two building elements with different top side mating features.

[0014] Figs. 6A, 6B, 6C, and 6D are, respectively, plan, side elevation, isometric, and exploded views of a first example of a customized controller built in the form of a golf club around the type of remote controller shown in Fig. 4.

[0015] Figs. 7A, 7B, 7C, and 7D are, respectively, plan, side elevation, isometric, and partly assembled views of a second example of a customized controller built in the form of a baseball bat around the type of remote controller shown in Fig. 4.

[0016] Figs. 8A, 8B, 8C, and 8D are, respectively, plan, side elevation, isometric, and partly exploded views of a third example of a customized controller built with several layers of mated building elements around the type of remote controller shown in Fig. 4 to form a baseball bat with an unfinished surface.

[0017] Figs. 9A, 9B, and 9C are, respectively, side elevation, end, and exploded views of a fourth example of a customized controller built with two matable, styled half-section building elements that partly enclose the type of remote controller of Fig. 4 to form a baseball bat.

Detailed Description of Preferred Embodiments

[0018] Fig. 1 is an exploded view of a first preferred embodiment of a configurable manual controller 10 that is used with a computing device (not shown) for manipulating images or symbols on a display (not shown). Although it does not show a cable, this embodiment can be connected to a computing device through a

cable or a wireless communication link. Manual controller 10 includes an exoskeleton 12 formed of a main housing 14 and a main casing 16 that conformably fits around the side surface of main housing 14. Main housing 14 fits inside of but is readily separable from main casing 16. Main housing 14 houses in its interior the electrical components necessary for controlling symbols or images on a display associated with a computer device. Main casing 16 has a patterned surface portion 20 that in part covers hand grip mounting plates 22 (one shown) to which removable hand grips 30 and 32 can be attached as described below. Skilled persons will appreciate that exoskeleton 12 can be alternatively made as a unitary structure having a surface on which patterned surface portion 20 is formed.

[0019] As shown in Fig. 1, exoskeleton 12 has an attachable left-hand grip 30 and an attachable right-hand grip 32 for two-handed gripping by a user. A left-side control pad 34, including four pressable control members 36, and a left-side analog stick control 38 are positioned for access by digits of the user's left hand; and a right-side control pad 44, including four control buttons 46, and a right-side analog stick control 48 are positioned for access by digits of the user's right hand. A selection button 64 and a start button 66 are positioned between hand grips 30 and 32.

Skilled persons will appreciate that the above-described number of control actuators, control actuator layout pattern, and hand grip arrangement represent only one of numerous possible control actuator and hand grip configurations. The internal electrical components include the actual electronic circuits, controls, and corresponding switch elements for control pads 34 and 44 and buttons 64 and 66.

[0020] Patterned surface portion 20, which in this embodiment covers the exterior side surface of main casing 16, includes a surface pattern in the form of an array of mutually spaced-apart cylindrical mating features or bosses 80. Each of hand grips 30 and 32 has a handle mount 82 on which is formed an array of mutually spaced-apart cylindrical mating features or recesses 84. The diameter and depth of each recess 84 and the spacing distances between adjacent ones of recesses 84 are established so that recesses 84 mate with corresponding bosses 80 and provide a snug, releasable attachment of each of hand grips 30 and 32 to main casing 16.

[0021] Fig. 2 shows the matable building elements that when assembled form left-hand grip 30 shown in Fig. 1. Left hand-grip 30 is made up of five building elements, of which some have different matable features and some have smooth

finished surfaces that contribute to the ornamental appearance and ergonomic quality of the hand grip.

[0022] Left-hand grip 30 includes a five-section body element 90 to which the remaining building elements attach. A mounting element 92 has three recesses (not shown) that mate with three corresponding bosses 80 of a mounting section 94 of body element 90 to form handle mount 82 (Fig. 1) having eight recesses 84. Handle mount 82 fits over and attaches to hand grip mounting plate 22 (Fig. 1), with eight recesses 84 and eight corresponding bosses 80 in mating relationship. A medial side element 96 has nine bosses 80 that mate with nine corresponding recesses of a center section 98 of body element 90. A lateral side element 100 has nine recesses (not shown) that mate with nine corresponding bosses 80 of a distal section 102 of body element 90. Side elements 96 and 100 contribute to the shape and appearance of the gripping surface of left-hand grip 30. An end piece 104 has two bosses 80 that mate with two corresponding recesses (not shown) of a tip section 106 of body element 90 to form a rounded terminal end of left-hand grip 30. The assembled left-hand grip 30 is shown in Fig. 1 with its side elements 96 and 100 removed. Right-hand grip 32 can be assembled in a corresponding manner to that described above.

[0023] Fig. 3 shows a patterned surface portion 120 covering most of the top surface of main housing 14 (Fig. 1), except for the actuators on control pads 34 and 44. Patterned surface portion 120 includes a surface pattern in the form of an array of mutually spaced-apart bosses 80 in the same array pattern as that of patterned surface portion 20 (Fig. 1).

[0024] Patterned surface portion 120 is configured to receive matable building elements 122. Building elements 122 in this embodiment are preferably small molded plastic components that are stackable upon one another, like small bricks, to create a desired object. (Building elements 122 intended to provide a finished surface typically do not have top surface mating features that would enable stacking of another layer of building elements.) Building elements 122 can be of different colors. Suitable building elements 122 include LEGO toy bricks, available from Interlego AG, Zug, Switzerland.

[0025] A preferred building element 122 has on its bottom side recesses 84 that are sized to mate with spatially corresponding bosses 80 so that building element 122 can be affixed to and thereby cover part of patterned surface portion 120.

Skilled persons will appreciate that a building element 122 having multiple recesses 84 on its bottom side is configured so that adjacent recesses 84 are separated by the same distance as that separating corresponding adjacent bosses 80 in patterned surface portion 120. The spaced-apart bottom side recesses 84 of building element 122 that are sized to mate with spatially corresponding bosses 80 of patterned surface portion 120 define a recess feature pattern that is complementary to patterned surface portion 120. Fig. 3 shows a building element 122a that has an open rectangular bottom side recess 124 that is sized to fit over and against lateral arcuate peripheral portions of two adjacent bosses 80 to mate with them in an operational manner. Building element 122a defines a surface feature that is matable to bosses 80 in, but not is complementary to, patterned surface portion 120.

[0026] Either building element 122 or 122a has on its top side the absence or presence of a matable feature. Fig. 3 shows attached to main housing 14 (Fig. 1) a building element 122s having a smooth top surface that can be of a color or that contributes to a finished decorative pattern selected by a user. Fig. 3 also shows attached to main housing 14 and positioned adjacent building element 122s a building element 122b having on its top side two bosses 80 to which another building element 122b could mate at its bottom surface.

[0027] For purposes of simplicity and uniformity, a user preferably constructs a manual controller with a set of stackable building elements in which the bottom side feature and the top side feature mates with and operationally matches, respectively, the features in a patterned surface portion of the manual controller. Operationally match is defined to mean that a top side feature is matable to the bottom side feature of the same building element. This is the situation illustrated in Fig. 3 and Figs. 8A, 8B, 8C, and 8D below. A user constructing a manual controller with building elements 122 stacked to form a specific shape could do so, however, by assembling a set of stackable building elements that are included in subsets. A first subset of building elements could be one in which the bottom side feature mates with, but the top side feature does not operationally match, the features of a patterned surface portion of the manual controller. A second subset of building elements could be one in which the bottom side feature mates with, and the top side feature operationally matches, the top side feature of the building elements in the first subset.

[0028] Fig. 4 is an isometric view of a second preferred embodiment of a configurable portable manual controller 140 that includes a unitary main and hand

grip section. Manual controller 140 is built around a remote controller in the form of a Wii™ remote controller, which is available from Nintendo of America, Inc., Redmond, WA, and is implemented with motion sensors that move images on a display in response to user movement of manual controller 140. Manual controller 140 includes an exoskeleton 142 that is a main housing that houses in its interior the electrical components necessary for controlling symbols or images on a display associated with a computer device. As shown in Fig. 4, exoskeleton 142 has a control actuator 144 located between a control pad 146 including four pressable control members 148 and a menu button 150 and two control actuator buttons 152 and 154. A power button 156 is located near the front end, two control actuator buttons 158 and 160 are located near the back end, and a joystick connector receptacle 162 is located in the back surface of manual controller 140. Exoskeleton 142 has a tapered front end bottom surface on which a user can rest his fingers to grasp the controller and operate a trigger device (not shown).

[0029] Exoskeleton 142 has patterned surface portions 170 and 172 that together cover most of the exterior of exoskeleton 142. Similar to patterned surface portion 20 of main casing 16 of manual controller 10 shown in Fig. 1, patterned surface portion 170 covering the top surface of manual controller 140 includes a surface pattern in the form of an array of mutually spaced-apart cylindrical mating features or bosses 80. Patterned surface portion 172 covering a side surface of manual controller 140 includes a surface pattern in the form of an array of mutually spaced-apart square mating features 174. For purposes of simplicity, it is preferable to cover exoskeleton 142 with patterned surface portions including arrays of the same mating features.

[0030] Figs. 4 and 5 show two examples of building elements that are matable to manual controller 140. A building element 176 shown positioned above (but not mated to) a building element 178 has top side cylindrical features 80 in a surface pattern that is less densely packed than features 80 in the surface pattern of patterned surface portion 170. Building element 178 shown mated to bosses 80 of patterned surface portion 170 has top side square features 174 of patterned surface portion 172. Building element 178 may have bottom side features that are matable to either cylindrical features 80 or square features 174, depending on the surface of manual controller 140 on which a user intends to build.

[0031] Figs. 6A, 6B, 6C, and 6D show a customized controller built in the form of a golf club 190 around a remote controller in the form of a Wii™ remote controller. Golf club 190 includes an exoskeleton 192 that has a surface portion 170, which is described above with reference to Fig. 4. As best shown in Fig. 6D, golf club 190 includes five building elements, of which adjacent ones mate with each other and all of which collectively mate with exoskeleton 192. A mounting element 194 includes two side sections 196 and 198 having recesses 84 that mate with corresponding bosses 80 on respective sides 200 and 202 of exoskeleton 192. Golf club shaft components 204, 206, 208, and 210 mate in series connection to form an assembled golf club 190.

[0032] Fig. 7A, 7B, 7C, and 7D show a customized controller built in the form of a baseball bat 220 around a remote controller in the form of a Wii™ remote controller. Baseball bat 220 includes an exoskeleton 222 that has a surface portion 170, which is described above with reference to Fig. 4. As best shown in Fig. 7D, baseball bat 220 includes five building elements (two of which are partly or completely removed to illustrate mating bosses 80 of exoskeleton 222) mated to exoskeleton 222 to form a bat handle 224 and eleven building elements (several of which partly cut away to show mating bosses 80 on adjacent building elements) mated in series connection to form a bat barrel 226. A building element 228 mates to the rear end of exoskeleton 222 to provide a bat heel, and a building element 230 mates with the front end of exoskeleton 222 to interconnect it with bat barrel 226.

[0033] Figs. 8A, 8B, 8C, and 8D show a customized controller built in the form of a baseball bat 240 around a remote controller in the form of a Wii™ remote controller. Baseball bat 240 includes an exoskeleton 242 that has a surface portion 170, which is described above with reference to Fig. 4. As best shown in Fig. 8D, baseball bat 240 is formed of two multi-layer stacks 244 and 246 of building elements positioned on and mated to either side of a bat barrel core section 248. Rectangular building elements 250 and 252 included in respective multi-layer stacks 244 and 246 have recesses 84 (not shown) that mate with bosses 80 on the sides of exoskeleton 242 at its tapered end to connect bat barrel core section 248 to exoskeleton 240. Unlike baseball bat 220 of Figs. 7A, 7B, 7C, and 7D, baseball bat 240 has substantially large unfinished surface portions.

[0034] Figs. 9A, 9B, and 9C show a customized controller built in the form of a baseball bat 260 around a remote controller in the form of a Wii™ remote controller.

Baseball bat 260 includes an exoskeleton 262 that has a surface portion 170, which is described above with reference to Fig. 4. As best shown in Fig. 9C, baseball bat 260 is formed with two matable half-section building elements 264 and 266 that resemble longitudinal half-sections of a complete bat, including its handle and barrel. The interior surfaces of building elements 264 and 266 have arrays of recesses 84 that mate with bosses 80 on the side surfaces of exoskeleton 262 to connect building elements 264 and 266 to exoskeleton 262. The interior surface of building element 264 has three mounts 268 for sets of bosses 80 that mate with corresponding recesses 84 on the interior surface (not shown) of building element 266 to connect building elements 264 and 266 together. Baseball bat 260 presents with very few building elements a finished replica of a baseball bat.

[0035] It will be obvious to those having skill in the art that many changes may be made to the details of the above-described embodiments without departing from the underlying principles of the invention. The scope of the present invention should, therefore, be determined only by the following claims.

Claims

1. A method of facilitating user preference in creative design of a manual controller for manipulating images or symbols on a display, the manual controller having a housing with an exterior surface and an interior region confining electrical components operatively connected to control actuators to produce signals for manipulating image or symbols on the display, comprising:

providing a main casing configured to conformably fit around a portion of the exterior surface of and thereby receive the housing of the manual controller, the main casing having a patterned surface portion configured to support a set of building elements that are configurable for mating to the patterned surface portion; and

providing in the set of building elements a subset of building elements that are matable to one another and configured for a user to assemble in construction of a customized replica of at least a portion of a recreation item.

2. The method of claim 1, in which the control actuators include a type of actuator that responds to user movement of the manual controller to produce the signals for manipulating the images or symbols.

3. The method of claim 2, in which the type of actuator is a motion sensor.

4. The method of claim 1, in which the control actuators include a type of actuator that responds to user tactile manipulation of the manual controller to produce the signals for manipulating the images or symbols.

5. The method of claim 1, further comprising a hand grip section having a patterned surface portion configured for operative connection to the main casing to provide a gripping portion on which the user can grasp during play activity.

6. The method of claim 1, in which the set of building elements constitutes a first set of building elements, and further comprising providing a second set of building elements in the form of multiple components having matable and nonmatable surfaces, the matable surfaces configured to mate with building elements in the subset and the nonmatable surfaces configured to not mate with the patterned surface portion of the main casing or the first set of building elements, the multiple components of the second set of building elements contributing to the construction of a customized replica of at least a portion of a recreation item configured for use in play activity.

Abstract of the Disclosure

A configurable manual controller for manipulating images or symbols on a display is adapted for construction with matable building elements arranged by a user. The user forms the manual controller to exhibit a customized ornamental appearance reflecting the user's creative design preferences.

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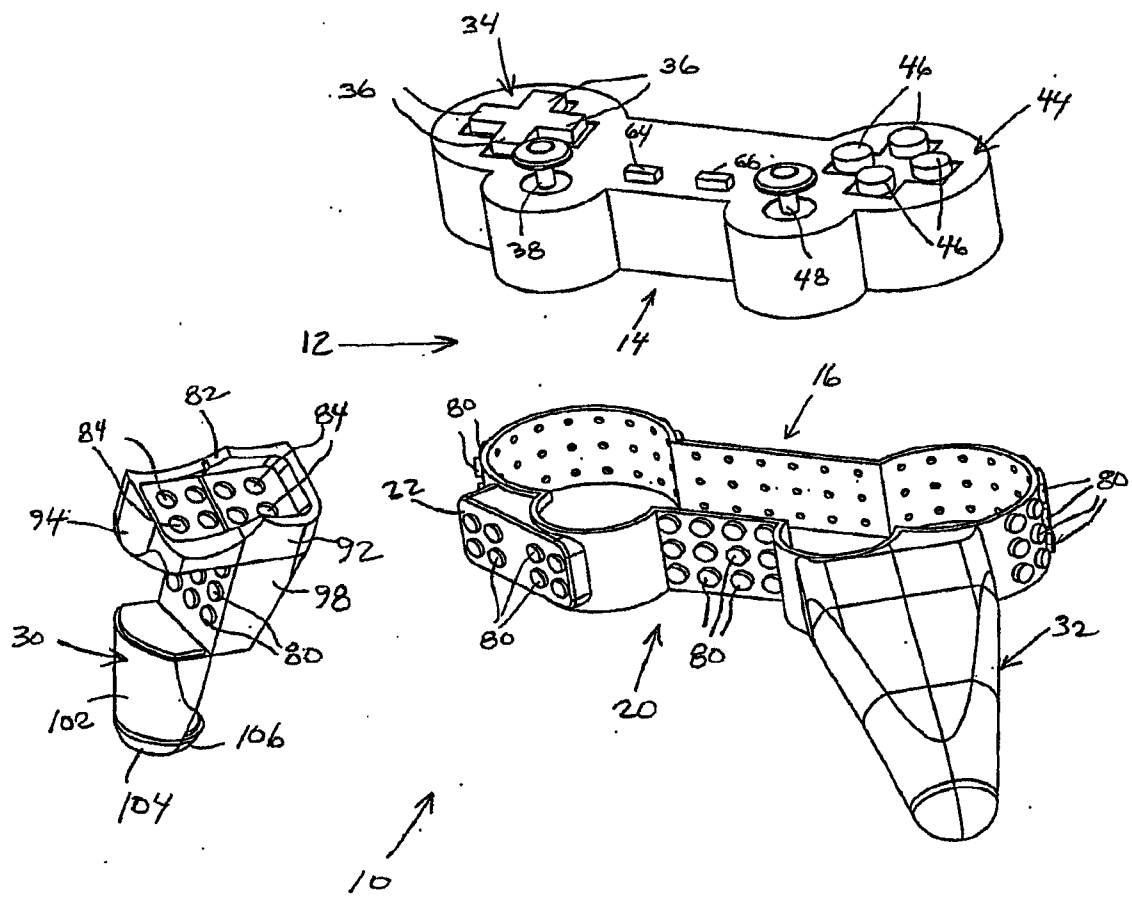


Fig. 1

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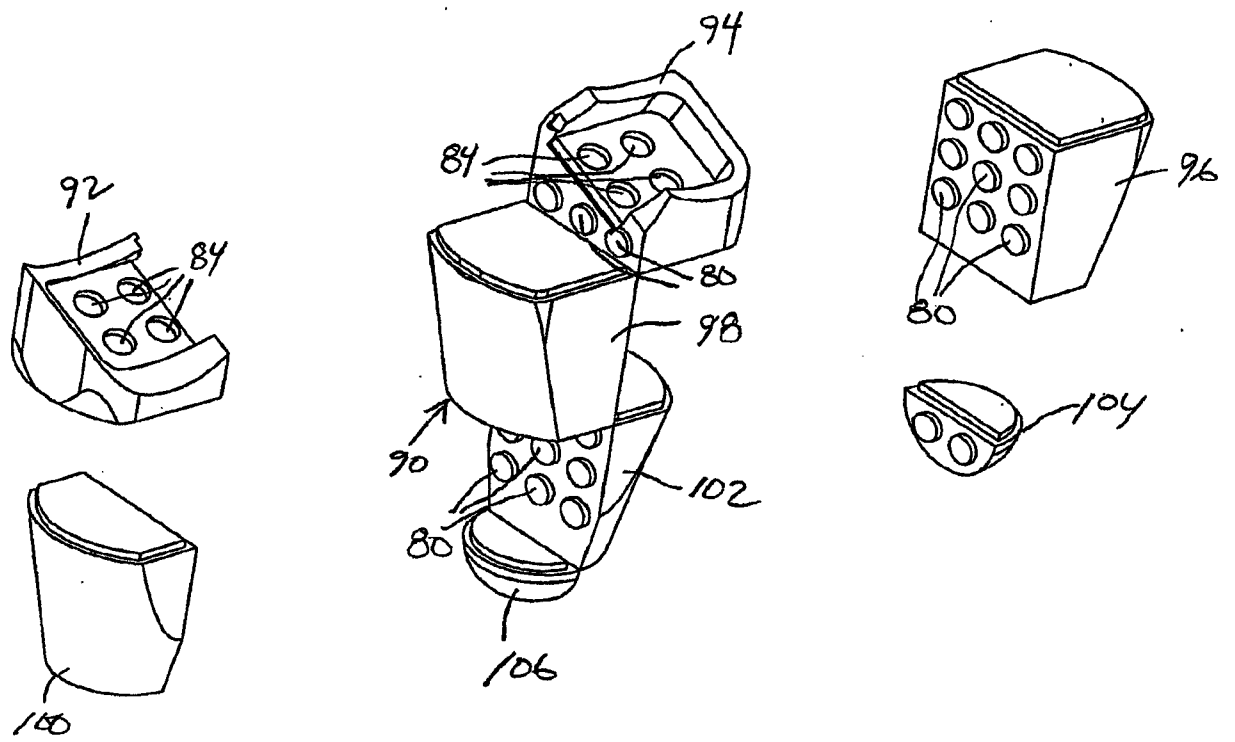


Fig. 2

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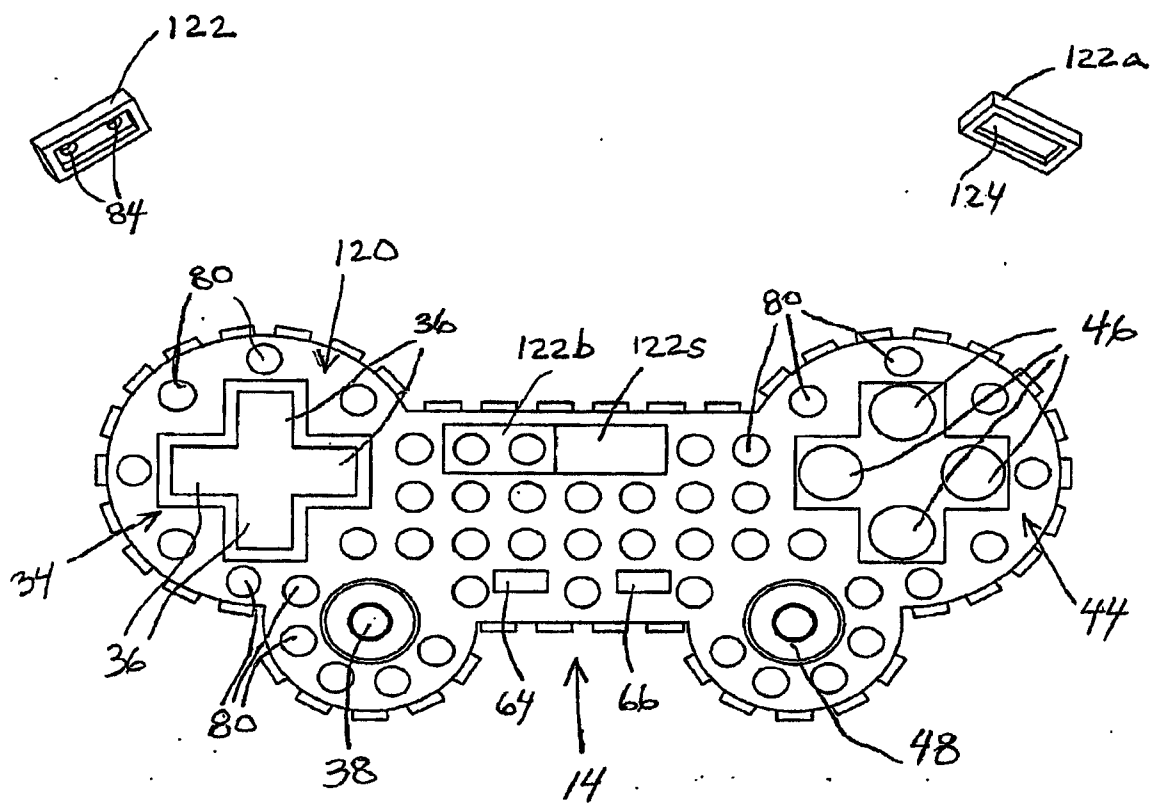


Fig.3

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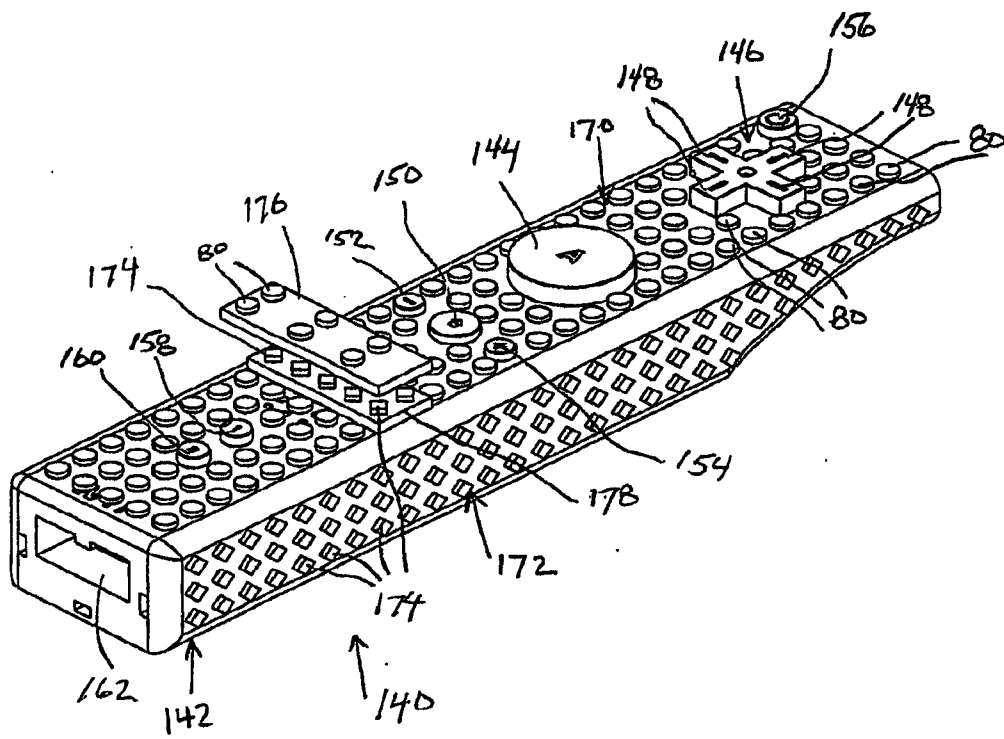


Fig. 4

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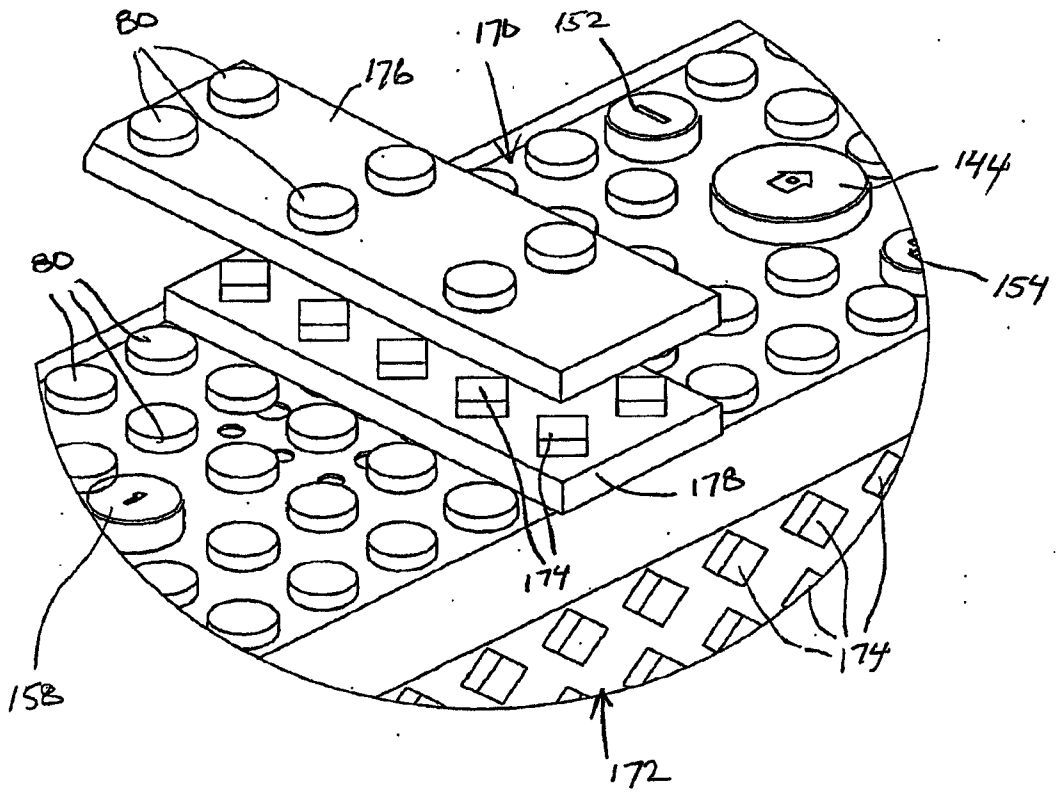


Fig. 5

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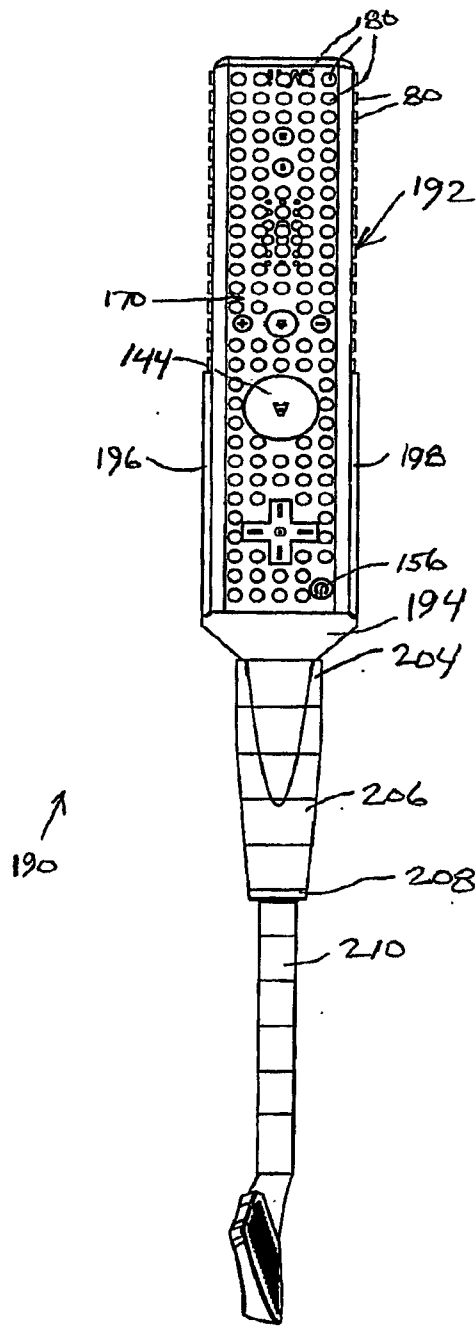


Fig 6A

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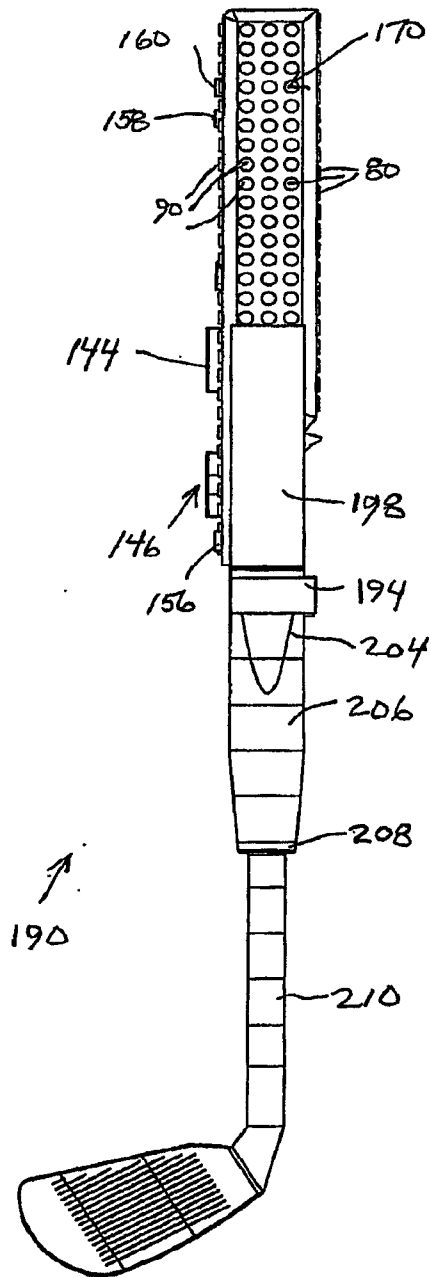


Fig. 6B

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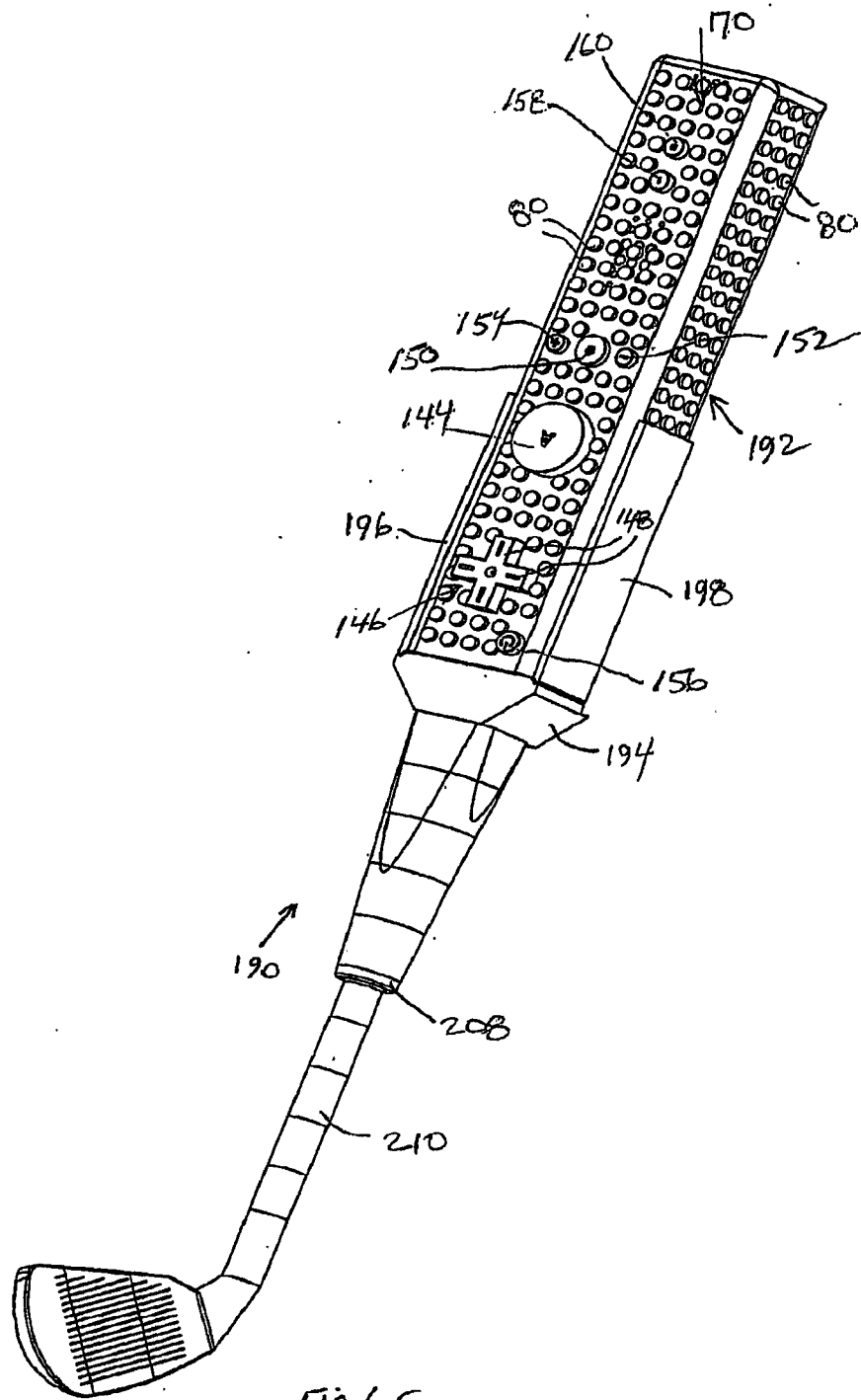


Fig. 6C

9/20

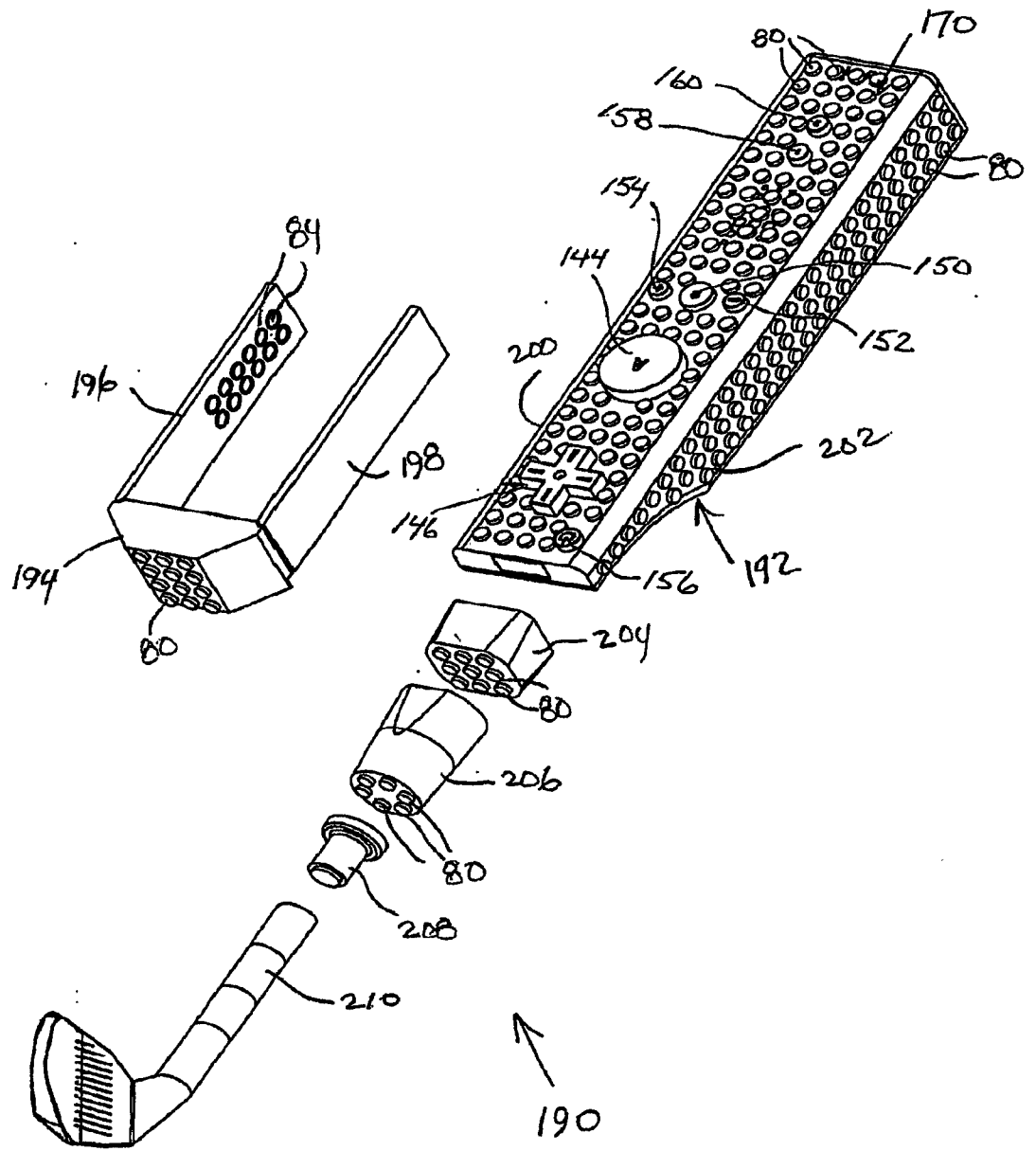


Fig. 6D

10/20

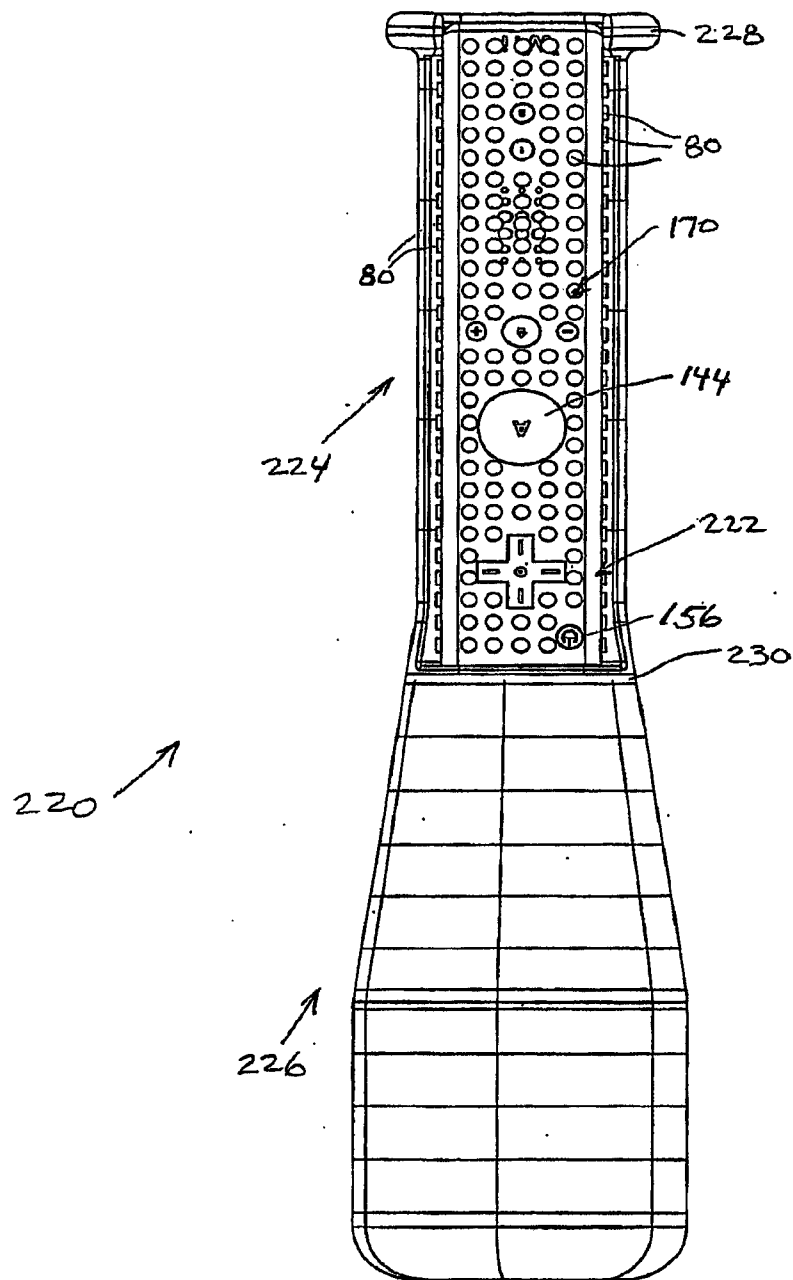


Fig. 7A

11/20

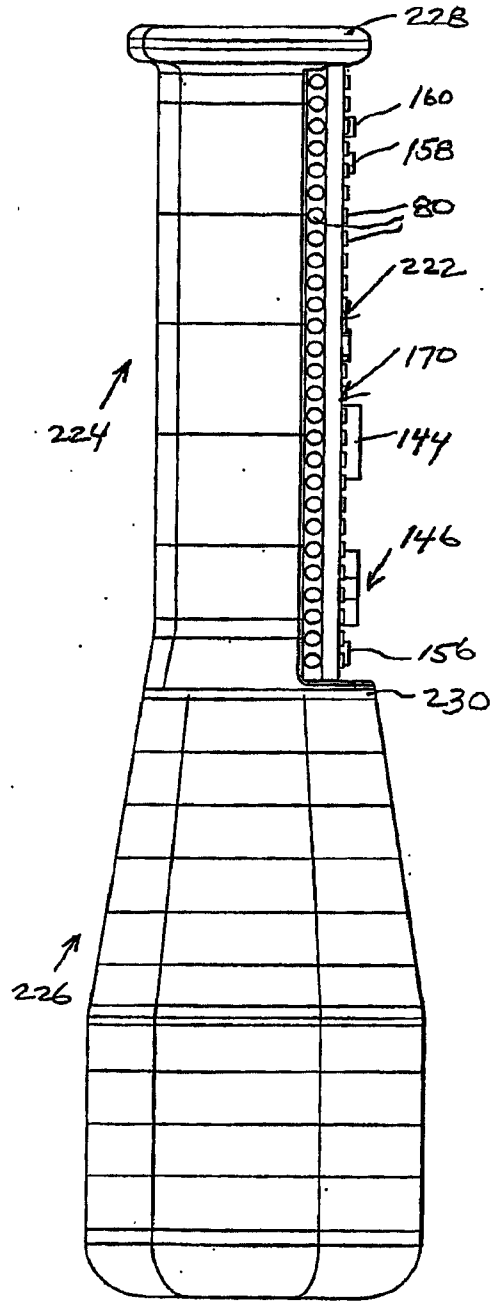


Fig. 7B

12/20

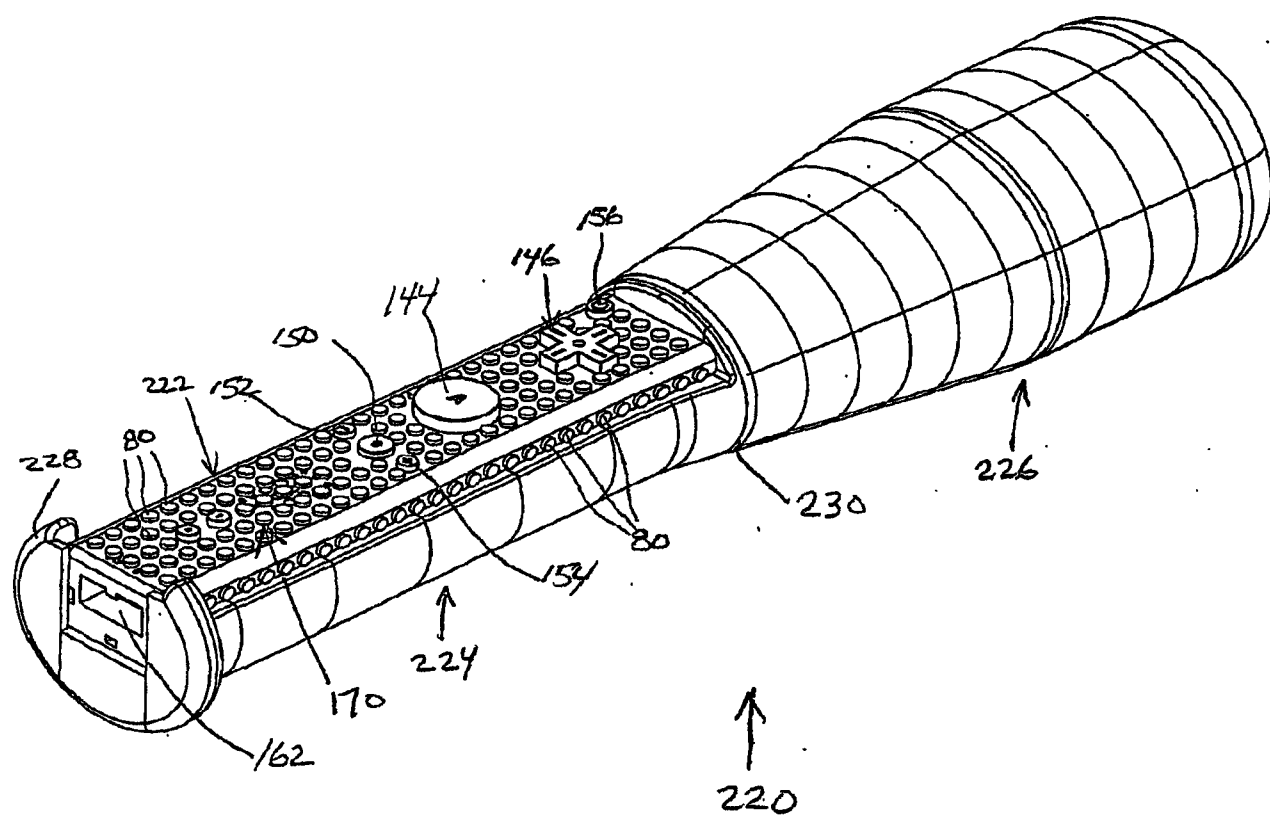


Fig. 7c

13/20

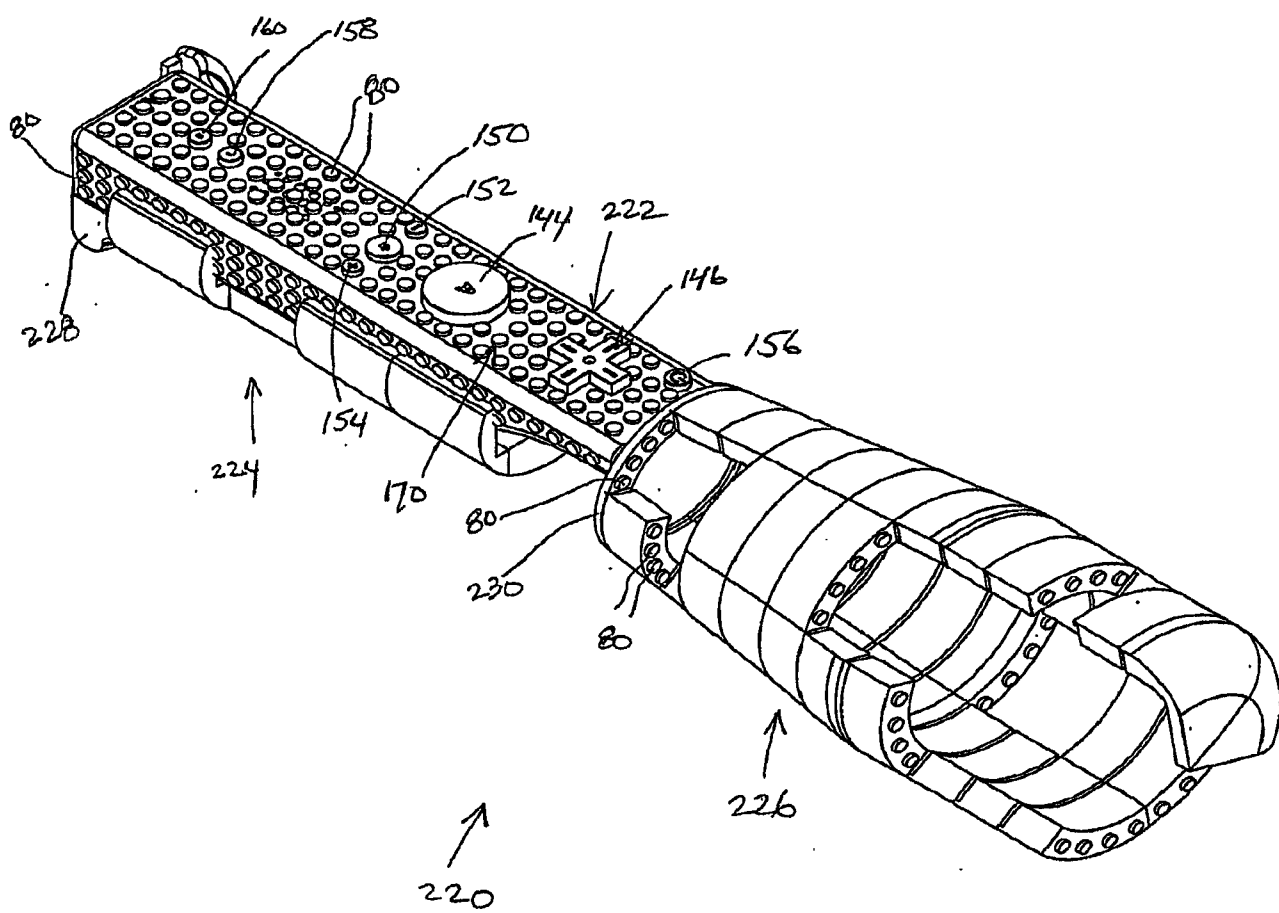


Fig. 7D

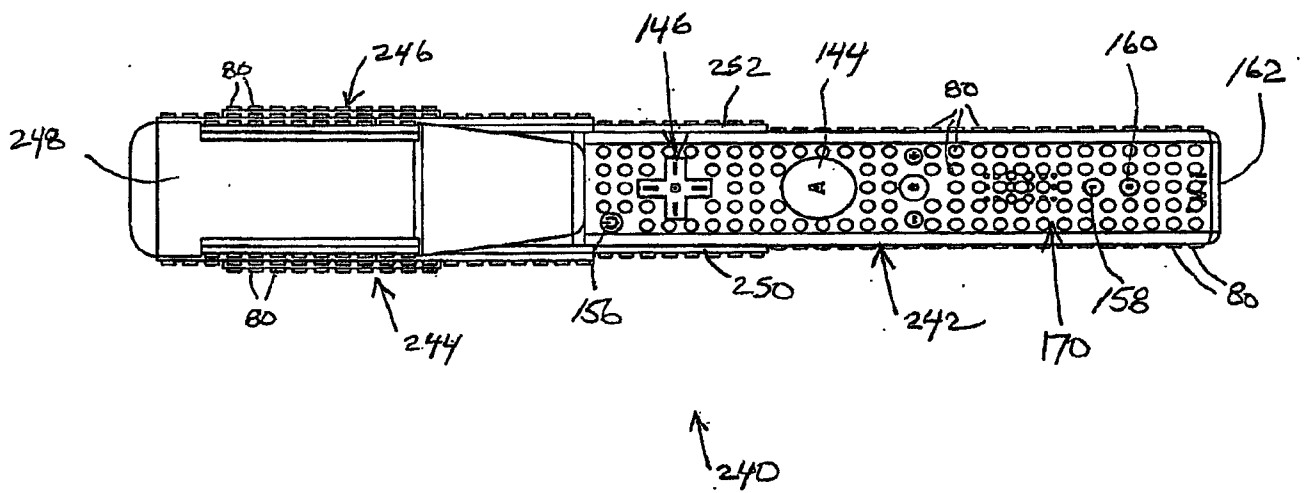


Fig. 8A

15/20

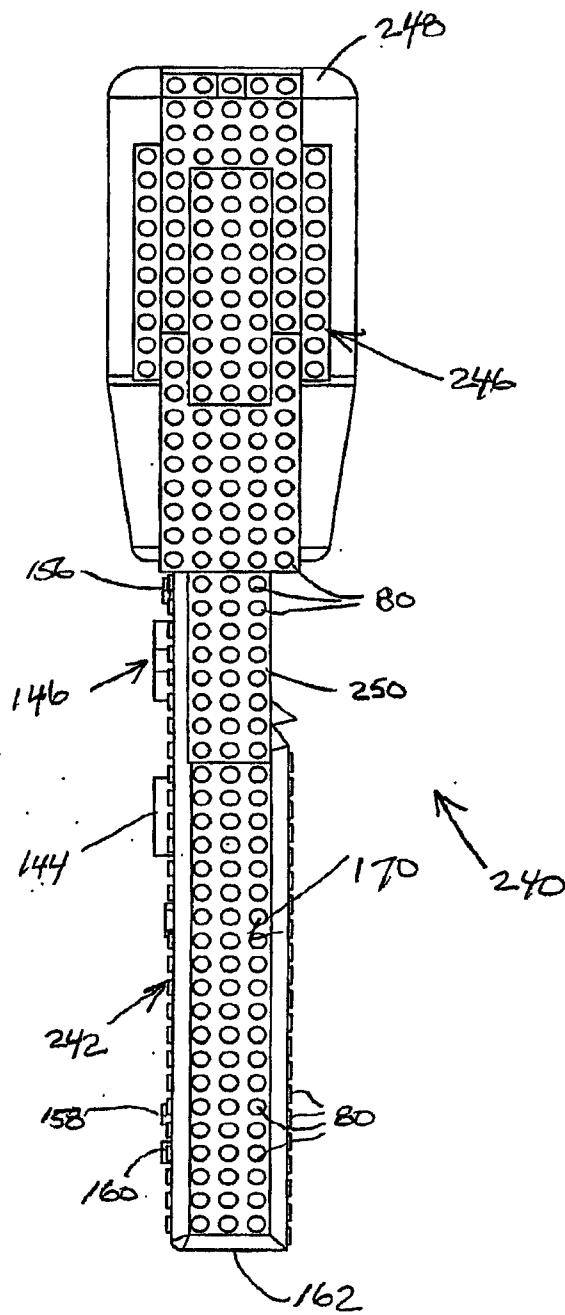


Fig. 8B

16/20

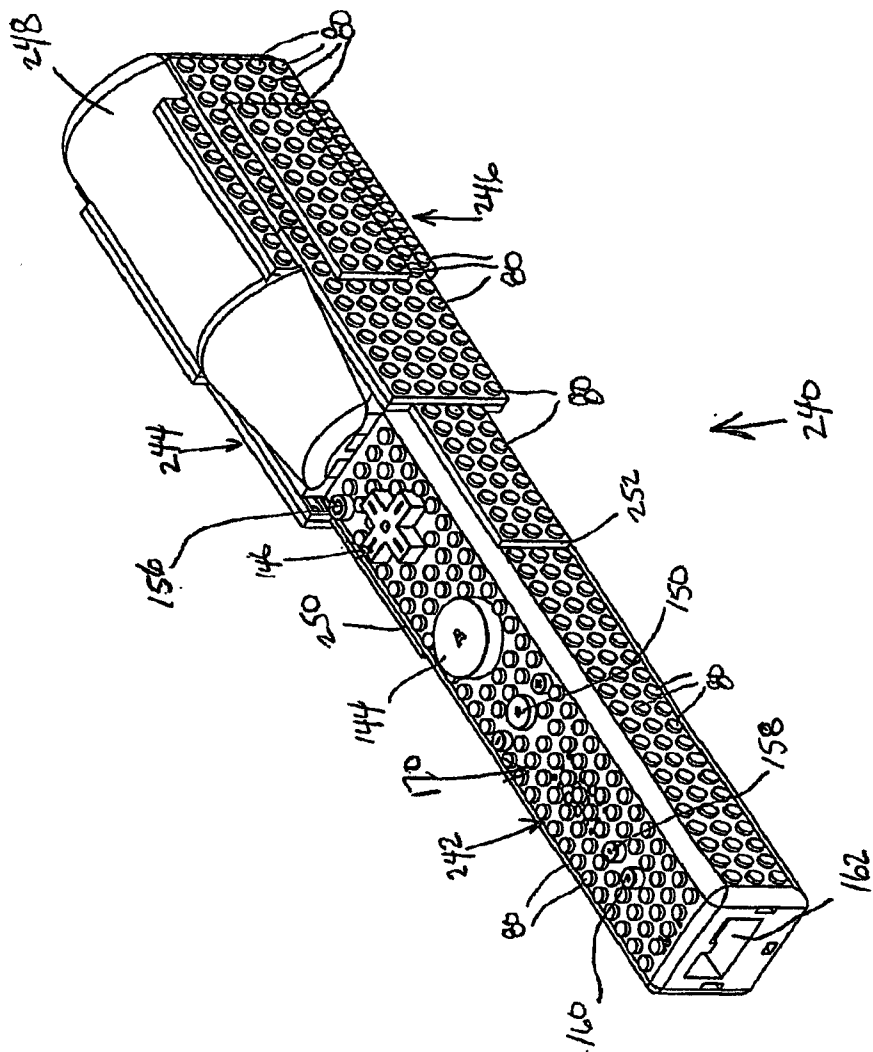


Fig. 8C

17/20

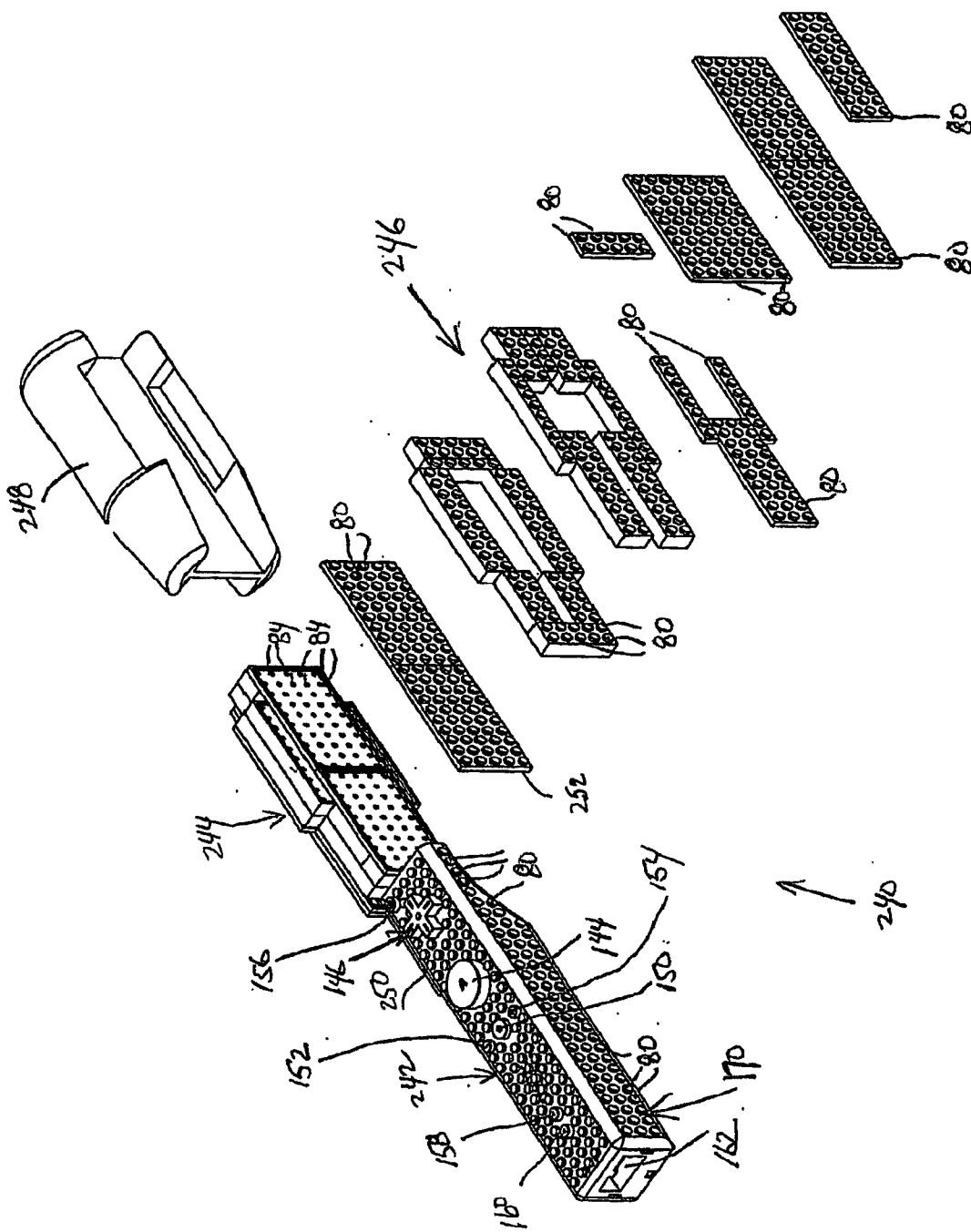


Fig. 8D

18/20

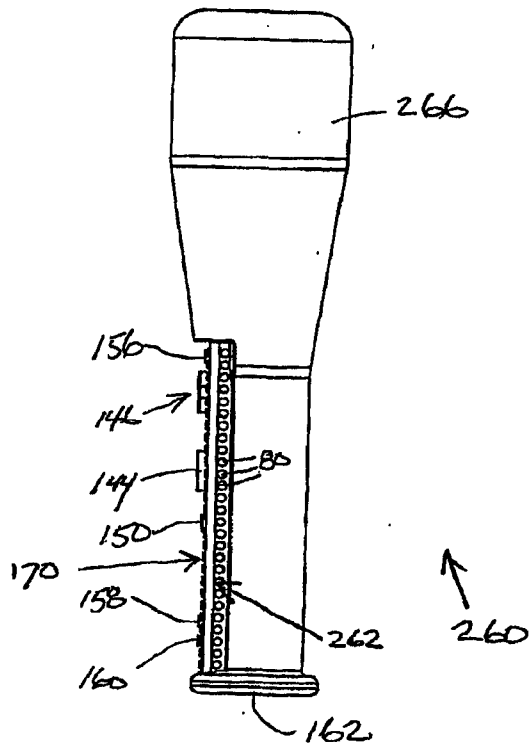


Fig. 9A

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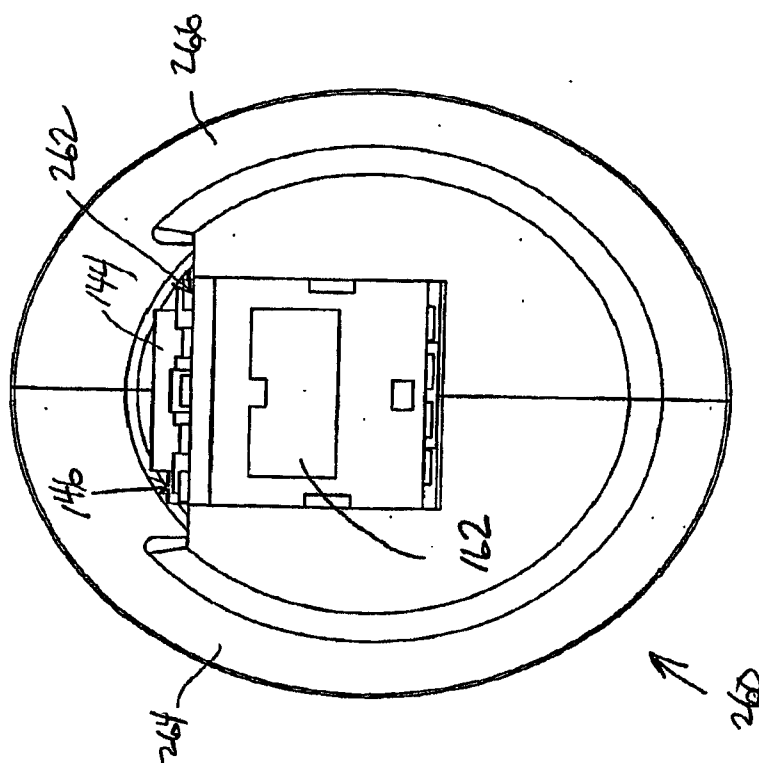


Fig. 9B

20/20

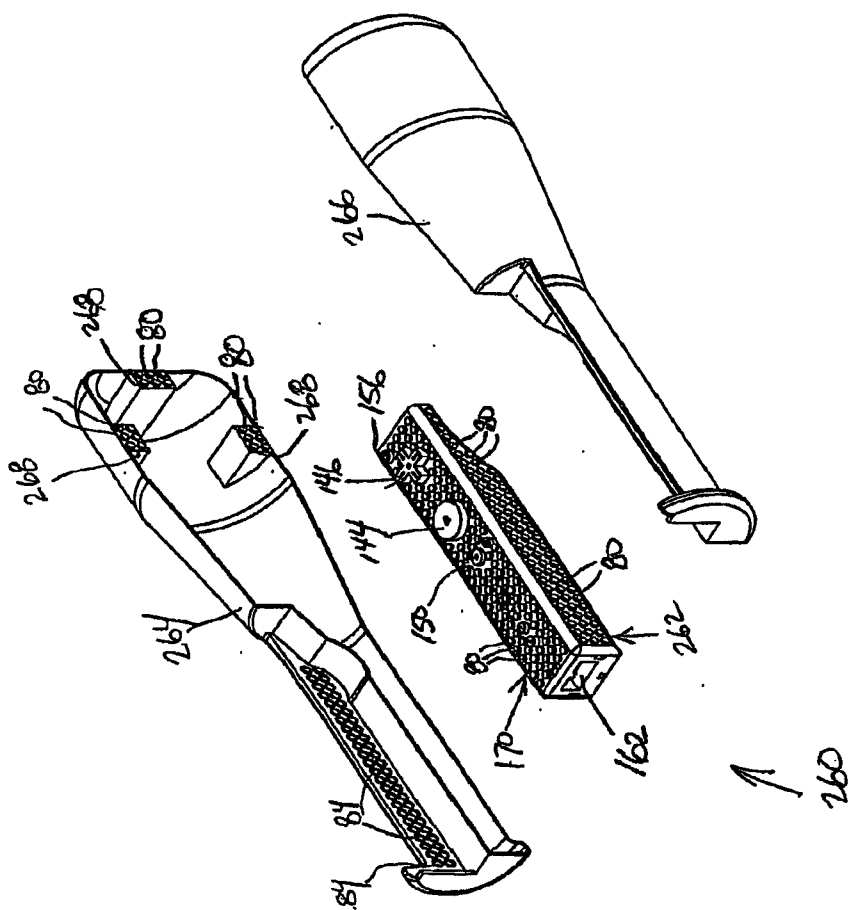


Fig. 9C

DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER, the specification of which

is attached hereto.

was filed on _____ as United States Patent Application No. or PCT International Application No. _____ and was amended on _____ (if applicable).

I have reviewed and understand the contents of the above-identified application, including the specification and claims, as amended by any amendment referred to above, and hereby affirm that the above-identified application was made or authorized to be made by me.

I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

Direct all telephone calls to Paul S. Angello at (503) 224-3380. Address all correspondence to customer number 3528:

STOEL RIVES LLP
900 SW Fifth Avenue, Suite 2600
Portland, Oregon 97204-1268

I understand that execution of this declaration is required by the patent laws and that this document does not create any attorney-client relationship between me and any of the attorneys of Stoel Rives LLP.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or both, under

18 U.S.C. § 1001 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Aaron B. Sternberg

Inventor's signature: 

01/13/2014

Date

Residence: Scottsdale, Arizona

Citizenship: US

Postal address: 11149 E. Greenway Road, Scottsdale, AZ 85255

Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER			
First Named Inventor/Applicant Name:	Aaron B. Sternberg			
Filer:	Paul Stephen Angello			
Attorney Docket Number:	22120/5:5			
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	70	70
Utility Search Fee	2111	1	300	300
Utility Examination Fee	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				730



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
PO Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE RECD	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/155,013	01/14/2014	2611	730	22120/5:5	6	1

CONFIRMATION NO. 6897

FILING RECEIPT



3528
STOEL RIVES LLP - PDX
900 SW 5TH AVENUE
SUITE 2600
PORTLAND, OR 97204

Date Mailed: 01/29/2014

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Aaron B. Sternberg, Scottsdale, AZ;

Applicant(s)

IPPASA, LLC, Scottsdale, AZ

Assignment For Published Patent Application

IPPASA, LLC, Scottsdale, AZ

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 13/347,414 01/10/2012 PAT 8628085
which is a CON of 12/795,540 06/07/2010 PAT 8091892
which is a CON of 12/278,102 08/01/2008 PAT 7731191
which is a 371 of PCT/US07/03462 02/09/2007
which claims benefit of 60/772,343 02/10/2006

Foreign Applications for which priority is claimed (You may be eligible to benefit from the Patent Prosecution Highway program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 01/28/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/155,013**

Projected Publication Date: 05/08/2014

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER

Preliminary Class

345

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

Electronic Acknowledgement Receipt

EFS ID:	18259172
Application Number:	14155013
International Application Number:	
Confirmation Number:	6897
Title of Invention:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER
First Named Inventor/Applicant Name:	Aaron B. Sternberg
Customer Number:	3528
Filer:	Paul Stephen Angello
Filer Authorized By:	
Attorney Docket Number:	22120/5:5
Receipt Date:	20-FEB-2014
Filing Date:	14-JAN-2014
Time Stamp:	18:41:08
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		22120_5PowerAttorney.pdf	60408 <small>34f602778c9b4e45c2d72e906ebcdad6d00900b5</small>	yes	3

Multipart Description/PDF files in .zip description			
	Document Description	Start	End
	Power of Attorney	1	1
	Assignee showing of ownership per 37 CFR 3.73.	2	3

Warnings:

Information:

Total Files Size (in bytes):	60408
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

Practitioners associated with Customer Number:

3528

OR

Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignments documents attached to this form in accordance with 37, CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

The address associated with Customer Number:

3528

OR


<input type="checkbox"/>	Firm or Individual Name			
	Address			
	City	State	Zip	
	Country			
	Telephone	Email		

Assignee Name and Address: IPPASA, LLC
16427 N. Scottsdale Road, Suite 410
Scottsdale, AZ 85254

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be Filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of The practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date February 20, 2014
Name	Aaron B. Sternberg	Telephone 480-559-1941
Title	Managing Member	

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(c)Applicant/Patent Owner: IPPASA, LLCApplication No./Patent No.: 14/155,013Filed/Issue Date: January 14, 2014Titled: METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLERIPPASA, LLC, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. The assignee of the entire right, title, and interest.
2. An assignee of less than the entire right, title, and interest (check applicable box):
- The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

--

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

--

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 021384, Frame 0093, or for which a copy thereof is attached.
- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

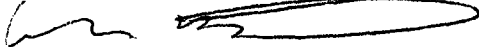
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

Aaron B. Sternberg

Printed or Typed Name

February 20, 2014

Date

Managing Member

Title or Registration Number



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
PO Box 1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/155,013	01/14/2014	Aaron B. Sternberg	22120/5:5

CONFIRMATION NO. 6897

POA ACCEPTANCE LETTER



3528
STOEL RIVES LLP - PDX
900 SW 5TH AVENUE
SUITE 2600
PORTLAND, OR 97204

Date Mailed: 03/05/2014

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 02/20/2014.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/masfaw/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/155,013	01/14/2014	Aaron B. Sternberg	22120/5:5	6897
3528	7590	03/25/2014	EXAMINER	
STOEL RIVES LLP - PDX 900 SW 5TH AVENUE SUITE 2600 PORTLAND, OR 97204			CHIU, RALEIGH W	
			ART UNIT	PAPER NUMBER
			3711	
			MAIL DATE	DELIVERY MODE
			03/25/2014	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 14/155,013	Applicant(s) STERNBERG, AARON B.	
	Examiner Raleigh W. Chiu	Art Unit 3711	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on _____.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a) This action is **FINAL**. 2b) This action is non-final.

3) An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) Claim(s) 1-6 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) Claim(s) _____ is/are allowed.

7) Claim(s) 1-6 is/are rejected.

8) Claim(s) _____ is/are objected to.

9) Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10) The specification is objected to by the Examiner.

11) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) All b) Some** c) None of the:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	3) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____
2) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____	4) <input type="checkbox"/> Other: _____

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions.

Claim Rejections - 35 USC § 101

2. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

3. Claims 1-6 are rejected under 35 U.S.C. 101 because based upon consideration of all of the relevant factors with respect to the claim as a whole, claims 1-6 are held to claim an abstract idea, and is/are therefore rejected as ineligible subject matter under 35 U.S.C. 101. The rationale for this finding is explained below: the method claims are directed to a set of instructions and do not provide a sufficient recitation of a machine or transformation because the claims are only mere statements of a general concept. That is to say, the claims are drawn to a general concept of human behavior, specifically following rules or instructions. In the instant application, the “main casing” and “building elements” can be considered to be articles but not qualify as “a particular machine or article”. Neither the main casing nor the building elements implement the process steps, but are merely objects upon which the process operates. In addition, the claims do not recite a qualifying transformation of an article to a different state or thing. Neither the main casing nor the building elements transform to a different state or thing as a result of the process. Changing to a different state or things means more than simply using an article or changing the location of an article.

Double Patenting

4. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the claims at issue are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the reference application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO internet Web site contains terminal disclaimer forms which may be used. Please visit <http://www.uspto.gov/forms/>. The filing date of the application will determine what form should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and

approved immediately upon submission. For more information about eTerminal Disclaimers, refer to <http://www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp>.

5. Claims 1-6 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-8 of U.S. Patent No. 7,731,191. Although the claims at issue are not identical, they are not patentably distinct from each other because using the '191 claims as intended is considered to meet the recited method steps.

6. Claims 1-6 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-6 of U.S. Patent No. 8,091,892. Although the claims at issue are not identical, they are not patentably distinct from each other because using the '892 claims as intended is considered to meet the recited method steps.

7. Claims 1-6 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-4 of U.S. Patent No. 8,628,085. Although the claims at issue are not identical, they are not patentably distinct from each other because using the '085 claims as intended is considered to meet the recited method steps.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raleigh Chiu whose telephone number is (571) 272-4408. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eugene Kim, can be reached on (571) 272-4463.

The fax number for the organization where this application or proceeding is assigned is (571) 273-8300.

Application/Control Number: 14/155,013
Art Unit: 3711

Page 5

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

It is noted that all practice before the Office is in writing (see 37 C.F.R. § 1.2) and the proper authority for action on any matter in this regard are the statutes (35 U.S.C.), regulations (37 C.F.R.) and the commentary on policy (MPEP). Therefore, no telephone discussion may be controlling or considered authority of Petitioner's/Caller action(s).

/Raleigh W. Chiu/
Primary Examiner, A.U. 3711

RWC:dei:feif
23 March 2014

Notice of References Cited	Application/Control No. 14/155,013	Applicant(s)/Patent Under Reexamination STERNBERG, AARON B.	
	Examiner Raleigh W. Chiu	Art Unit 3711	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-4,712,184 A	12-1987	Haugerud, Albert R.	701/1
*	B	US-D338,053 S	08-1993	Underhill et al.	D14/454
*	C	US-5,692,956 A	12-1997	Rifkin, Andrew	463/37
*	D	US-6,193,609 B1	02-2001	D'Achard Van Enschut, Johannes F. M.	463/37
*	E	US-6,443,796 B1	09-2002	Shackelford, Judith Ann	446/91
*	F	US-2002/0180148 A1	12-2002	Koziel, John	273/148.00B
*	G	US-2002/0195771 A1	12-2002	Ku, Man To	273/148.00B
*	H	US-2003/0109314 A1	06-2003	Ku, Man To	463/47
*	I	US-2005/0075172 A1	04-2005	Coleman, Jourdon G. S.	463/047
*	J	US-6,923,443 B1	08-2005	Hughes, IV, Richard James-Patrick	273/148B
*	K	US-6,932,341 B1	08-2005	Kenyon, Kenneth G.	273/148B
*	L	US-2005/0275165 A1	12-2005	Hussaini et al.	273/148.00B
*	M	US-7,063,321 B2	06-2006	Hussaini et al.	273/148B

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 14/155,013	Applicant(s)/Patent Under Reexamination STERNBERG, AARON B.	
	Examiner Raleigh W. Chiu	Art Unit 3711	Page 2 of 2

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-RE39,409 E	11-2006	Sternberg et al.	273/148B
*	B US-2008/0122173 A1	05-2008	Harris, Curtis J.	273/148.B
*	C US-D572,255 S	07-2008	Li, Fan suo	D14/401
*	D US-2009/0118012 A1	05-2009	Sternberg, Aaron B.	463/37
*	E US-7,731,191	06-2010	Sternberg, Aaron B.	273/148B
*	F US-8,091,892	01-2012	Sternberg, Aaron B.	273/148B
	G US-			
	H US-			
	I US-			
	J US-			
	K US-			
	L US-			
	M US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N				
	O				
	P				
	Q				
	R				
	S				
	T				

NON-PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)				
	U				
	V				
	W				
	X				

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/155,013	01/14/2014	Aaron B. Sternberg	22120/5:5

CONFIRMATION NO. 6897

3528
STOEL RIVES LLP - PDX
900 SW 5TH AVENUE
SUITE 2600
PORTLAND, OR 97204

PUBLICATION NOTICE



Title:METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER

Publication No.US-2014-0125009-A1

Publication Date:05/08/2014

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

Electronic Acknowledgement Receipt

EFS ID:	19859253
Application Number:	14155013
International Application Number:	
Confirmation Number:	6897
Title of Invention:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER
First Named Inventor/Applicant Name:	Aaron B. Sternberg
Customer Number:	3528
Filer:	Paul Stephen Angello
Filer Authorized By:	
Attorney Docket Number:	22120/5:5
Receipt Date:	13-AUG-2014
Filing Date:	14-JAN-2014
Time Stamp:	17:33:43
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 160
RAM confirmation Number	3977
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1	Electronic Terminal Disclaimer-Filed	eTerminal-Disclaimer.pdf	33848 be78147a2598e6703d75bc35aab733992967bbb9	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30413 728f065e65d0b8ddd040e80ab667863b3da630	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				64261	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	TERMINAL DISCLAIMER TO OBTAIN A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	
Application Number	14155013	
Filing Date	14-Jan-2014	
First Named Inventor	Aaron Sternberg	
Attorney Docket Number	22120/5:5	
Title of Invention	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER	
<input checked="" type="checkbox"/> Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action <input checked="" type="checkbox"/> This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.		
Owner	Percent Interest	
IPPASA, LLC	100%	
<p>The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)</p> <p>7731191 8091892 8628085</p> <p>as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.</p> <p>In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:</p> <ul style="list-style-type: none"> - expires for failure to pay a maintenance fee; - is held unenforceable; - is found invalid by a court of competent jurisdiction; - is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321; - has all claims canceled by a reexamination certificate; - is reissued; or - is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer. 		

Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.

I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

Applicant claims the following fee status:

Small Entity

Micro Entity

Regular Undiscounted

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Registration Number 30991

A sole inventor

A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application

A joint inventor; all of whom are signing this request

Signature

/Paul S Angello/

Name

Paul S Angello

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal

Application Number:	14155013			
Filing Date:	14-Jan-2014			
Title of Invention:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER			
First Named Inventor/Applicant Name:	Aaron B. Sternberg			
Filer:	Paul Stephen Angello			
Attorney Docket Number:	22120/5:5			
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Statutory or Terminal Disclaimer	1814	1	160	160
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				160

Transaction History Date 2014-08-13

Date information retrieved from USPTO Patent
Application Information Retrieval (PAIR)
system records at www.uspto.gov

Doc Code: DISQ.E.FILE

Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 14155013

Filing Date: 14-Jan-2014

Applicant/Patent under Reexamination: Sternberg et al.

Electronic Terminal Disclaimer filed on August 13, 2014

APPROVED

This patent is subject to a terminal disclaimer

DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt

EFS ID:	20235141
Application Number:	14155013
International Application Number:	
Confirmation Number:	6897
Title of Invention:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER
First Named Inventor/Applicant Name:	Aaron B. Sternberg
Customer Number:	3528
Filer:	Paul Stephen Angello
Filer Authorized By:	
Attorney Docket Number:	22120/5:5
Receipt Date:	24-SEP-2014
Filing Date:	14-JAN-2014
Time Stamp:	17:39:27
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 790
RAM confirmation Number	4551
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1		ippasa55amd.PDF	43054 7886964b3d5a40642d73f4ce3b8e5bca547b2433	yes	6
Multipart Description/PDF files in .zip description					
		Document Description	Start	End	
		Amendment/Req. Reconsideration-After Non-Final Reject	1	1	
		Specification	2	2	
		Claims	3	4	
		Applicant Arguments/Remarks Made in an Amendment	5	6	
Warnings:					
Information:					
2		ippasa55ids.PDF	51155 376f54ec8ecba811638c8866fc73494eb750bb47	yes	4
Multipart Description/PDF files in .zip description					
		Document Description	Start	End	
		Transmittal Letter	1	3	
		Information Disclosure Statement (IDS) Form (SB08)	4	4	
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32603 5379f137ce25dcd087e057284269d659d464535b	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			126812		

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Aaron B. Sternberg

Confirmation No. 6897

Application No. 14/155,013

Filed: January 14, 2014

For: **METHOD OF FACILITATING USER
PREFERENCE IN CREATIVE DESIGN
OF A CONTROLLER (as amended)**

Group Art Unit: 3711

Examiner: Raleigh W. Chiu

Attorney Docket No. 22120/5:5

Date: September 24, 2014

AMENDMENT

TO THE COMMISSIONER FOR PATENTS:

In response to the March 25, 2014 Office action, please amend the above-identified patent application as follows.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims that begins on page 3 of this paper.

Remarks begin on page 5 of this paper.

Amendments to the Specification:

On page 1 of the patent application, please replace the title of the application with the following amended title:

METHOD OF FACILITATING USER PREFERENCE IN
CREATIVE DESIGN OF A ~~MANUAL~~ CONTROLLER

Listing of Claims:

1. (Currently amended) A method of facilitating user preference in creative design of a ~~manual~~ controller for manipulating images or symbols on a display, the ~~manual~~ controller having a housing with an exterior surface and an interior region confining electrical components ~~operatively connected to control actuators to produce~~ for producing signals for manipulating image or symbols on the display, comprising:

providing a main casing configured to conformably fit around a portion of the exterior surface of and thereby receive the housing of the ~~manual~~ controller, the main casing having a patterned surface portion configured to support a set of building elements that are configurable for mating to the patterned surface portion; and

providing in the set of building elements a subset of building elements that are matable to one another and configured for a user to ~~assemble in construction of~~ build on the patterned surface portion of the main casing a customized replica of at least a portion of a ~~recreation play item and thereby transform the exterior surface of the housing of the controller to a customized shape and appearance in accordance with the user's preference.~~

2. (Current amended) The method of claim 1, ~~in which~~ further comprising control actuators operatively connected to the electrical components, the control actuators ~~include~~ including a type of actuator that responds to user movement of the ~~manual~~ controller to produce the signals for manipulating the images or symbols.

3. (Original) The method of claim 2, in which the type of actuator is a motion sensor.

4. (Currently amended) The method of claim 1, ~~in which~~ further comprising control actuators operatively connected to the electrical components, the control actuators ~~include~~ including a type of actuator that responds to user tactile manipulation of the ~~manual~~ controller to produce the signals for manipulating the images or symbols.

5. (Original) The method of claim 1, further comprising a hand grip section having a patterned surface portion configured for operative connection to the main casing to provide a gripping portion on which the user can grasp during play activity.

6. (Currently amended) The method of claim 1, in which the set of building elements constitutes a first set of building elements, and further comprising providing a second set of building elements in the form of multiple components having matable and nonmatable surfaces, the matable surfaces configured to mate with building elements in the subset and the nonmatable surfaces configured to not mate with the patterned surface portion of the main casing or the first set of building elements, the multiple components of

the second set of building elements contributing to the ~~construction of~~ building on the patterned surface portion of the main casing a customized replica of at least a portion of a ~~recreation~~ play item configured for use in play activity.

7. (New) The method of claim 1, in which the controller comprises a cellular telephone and a control section, the cellular telephone being operationally responsive to user-entered commands that are delivered to the control section.

8. (New) The method of claim 1, in which the set of building elements includes a building element in the form of a play item having a surface that is not matable to the patterned surface portion.

Remarks

Claims 1-8 are in the application, of which claim 1 is in independent form.

Claims 1-6 stand rejected under 35 U.S.C. § 101 on the grounds that they are held to claim an abstract idea. The Office action supports its position by stating that the method claims are directed to a set of instructions and do not provide a sufficient recitation of a machine or transformation because the claims are only mere statements of a general concept. The Office action explains that the claims do not recite a qualifying transformation of an article to a different state or thing because neither the main casing nor the building elements are transformed to a different state or thing as a result of the process. Applicant responds as follows to this rejection.

Applicant has recast the last paragraph of claim 1 to recite “providing in the set of building elements a subset of building elements that are matable to one another and configured for a user to build on the patterned surface portion of the main casing a customized replica of at least a portion of a play item and thereby transform the exterior surface of the housing of the controller to a customized shape and appearance in accordance with the user’s preference.” The last paragraph of amended claim 1 more clearly implements the process steps by reciting a transformation of the exterior housing of the controller to a user-preferred customized shape and appearance.

During an August 26, 2014 telephonic interview, applicant’s attorney, Paul S. Angello, discussed with Examiner Chiu this amendment to the last paragraph of claim 1. The Examiner indicated the phrases “to build on” and “and [to] thereby transform” added to claim 1 recite activity that implements the process and, therefore, overcome the Section 101 rejection. Applicant requests, therefore, that the Section 101 rejection be withdrawn as to amended claim 1 and its dependent claims 2-6.

Applicant has amended claim 1 also to remove from the preamble and other instances of recitations of “manual” and “control actuators,” which are terms that do not contribute to the patentability of the claimed method. Amendments to claims 2 and 4 provide antecedent basis removed by amendment of claim 1.

Claims 1-6 stand rejected for nonstatutory double patenting over claims 1-8 of U.S. Patent No. 7,731,191; claims 1-6 of U.S. Patent No. 8,091,892; and claims 1-4 of U.S. Patent No. 8,628,085. In response to this rejection, applicant filed on August 13, 2014 an Electronic Terminal Disclaimer to obviate the double patenting rejections over the three patents identified. The Electronic Terminal Disclaimer was automatically approved by EFS-Web.

Applicant has added new claims 7 and 8, which find support at, respectively, application paragraph [0004] and application paragraphs [0024] and [0027].

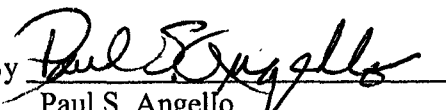
Finally, applicant submits with this amendment a supplemental information disclosure statement to make consistent the references cited with those cited in the predecessor related patent applications.

Applicant believes his application is in condition for allowance and respectfully requests the same.

Payment for a three-month extension of time accompanies this paper. The Commissioner is hereby authorized to charge any *additional* fees that may be required in connection with filing of this paper, or credit overpayment, to Deposit Account No. 19-4455.

Respectfully submitted,

Aaron B. Sternberg

By 
Paul S. Angello
Registration No. 30,991

STOEL RIVES LLP
900 SW Fifth Avenue, Suite 2600
Portland, OR 97204-1268
Telephone: (503) 224-3380
Facsimile: (503) 220-2480

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Aaron B. Sternberg

Confirmation No. 6897

Application No. 14/155,013

Filed: January 14, 2014

For: **METHOD OF FACILITATING USER
PREFERENCE IN CREATIVE
DESIGN OF A MANUAL
CONTROLLER**

Group Art Unit: 3711

Examiner: Raleigh W. Chiu

Attorney Docket No. 22120/5:5

Date: September 24, 2014

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

TO THE COMMISSIONER FOR PATENTS:

1. Documents listed on the accompanying Form PTO-1449 (or equivalent) are presented for the Examiner's consideration.
 - Copies of listed U.S. patents and U.S. patent application publications are not required for submission. (37 C.F.R. § 1.98(a)(2)(ii))
 - Copies of listed foreign patent documents and/or non-patent literature are enclosed. (37 C.F.R. § 1.98(a)(2))
 - Copies of the documents listed at (sheet/cite no.) 1/AM-1/AR of the attached Form PTO-1449 (or equivalent) are omitted because (1) they are already of record in U.S. Patent Application No. 13/347,414, filed January 10, 2012, on which this application relies for an earlier filing date under 35 U.S.C. § 120; and (2) any information disclosure statement filed in the prosecution of Application No. 13/347,414, complies with 37 CFR §§ 1.98(a) through (c). (37 C.F.R. § 1.98(d))
 - A copy of copending U.S. Patent Application No. _____, filed _____, for _____, listed at (sheet/cite no.) _____ of the attached Form PTO-1449 (or equivalent), is enclosed / is omitted. (Copy not required if available via IFW. 1287 OG 162 (Oct. 19, 2004).)
2. This information disclosure statement is being submitted (check box a., b., or c.):
 - a. Within three months of the filing date of a national application or entry of the national stage in an international application; or before the mailing of a first Office action on the merits; or before the mailing of a first Office action after the filing of a request for continued

examination under 37 CFR 1.114. (No statement under 37 CFR 1.97(e) is required.); or

- b. After the period set forth in paragraph 2a, but before the mailing date of either a final action, a notice of allowance, or an action that otherwise closes prosecution in the application. (Check box i. or ii.)
- i. The information disclosure statement submission fee set forth in 37 CFR 1.17(p) is paid herewith, or
- ii. A statement specified by 37 CFR 1.97(e) is set forth below; or
- c. After the mailing date of a final action or notice of allowance and on or before payment of the issue fee. A statement specified by 37 CFR 1.97(e) is set forth below. Enclosed is the information disclosure statement processing fee set forth in 37 CFR 1.17(p).

3. Fee Payment

- a. A check in the amount of \$_____ is enclosed.
- b. Payment by credit card.
- c. Please charge our Deposit Account No. 19-4455 in the amount of \$_____.
- d. The Commissioner is hereby authorized to charge any additional fees which may be required in connection with filing of these papers, or credit overpayment to Deposit Account No. 19-4455.


4. If a statement specified by 37 CFR 1.97(e) is required, the attorney or agent signing below hereby states that (check box a. or b.):

- a. Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement
- Such communication was not received by any individual designated in 37 CFR 1.56(c) more than thirty days prior to the filing of this information disclosure statement. (37 C.F.R. § 1.704(d))
- b. No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this information disclosure statement.

5. A concise explanation of the relevance of each document not in the English language and/or selected documents in the English language is set forth below.

Respectfully submitted,

Aaron B. Sternberg

By 
Paul S. Angello
Registration No. 30,991

STOEL RIVES LLP
900 SW Fifth Avenue, Suite 2600
Portland, OR 97204-1268
Telephone: (503) 224-3380
Facsimile: (503) 220-2480

Substitute for Forms PTO-1449 and PTO/SB/08

U.S. PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

(Use as many sheets as necessary)

Application No.	14/155,013
Filing Date	January 14, 2014
First Named Inventor	Aaron B. Sternberg
Art Unit	3711
Examiner Name	Raleigh W. Chiu
Attorney Docket No.	22120/5:5

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
	AA	US-2005/0255915	11-17-2005	Riggs et al.	
	AB	US-6,939,192	09-06-2005	Munch et al.	
	AC	US-6,921,336	07-26-2005	Best	
	AD	US-6,710,766	03-23-2004	Ogata	
	AE	US-6,290,565	09-18-2001	Galyean III et al.	
	AF	US-6,241,247	06-05-2001	Sternberg et al.	
	AG	US-5,976,018	11-02-1999	Druckman	
	AH	US-5,667,220	09-16-1997	Cheng	
	AI	US-5,645,277	07-08-1997	Cheng	
	AJ	US-5,476,261	12-19-1995	Hultstrand	
	AK	US-5,250,000	10-05-1993	Boutin et al.	
	AL	US-5,046,739	09-10-1991	Reichow	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³ ✓
		Country Code ¹ Number ² Kind Code (if known)				
	AM	JP 2004-129704	04-30-2004			
	AN	EP-1384500-A1	01-28-2004	Lego A/S		
	AO	WO 01/36915-A1	05-25-2001	Lego A/S et al.		
	AP	WO 99/36136	07-22-1999			

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPS), title of the article (when appropriate), title of the item (book, magazine, journal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. For web pages and online documents, include author or site publisher (in CAPS), title of document, web page address (URL), date published (if known), "visited" date, pages.	T ³ ✓
	AR	International Search Report, International Application No. PCT/US 07/03462, dated 2/12/2008, 2 pages.	

EXAMINER SIGNATURE	DATE CONSIDERED
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Enter Office that issued the document, by two-letter code (WIPO Std. ST.3). ²For Japanese patent documents, the year of the reign of the Emperor must precede the serial number of the document. ³Place a check mark here if English language translation is attached or "Abs." if English language abstract is attached.

Other Prior Art

According to the information contained in form PTO-1449 or PTO-892, there are one or more other prior art/non-patent literature documents missing from the original file history record obtained from the United States Patent and Trademark Office. Upon your request we will attempt to obtain these documents from alternative resources. Please note that additional charges will apply for this service.

Electronic Patent Application Fee Transmittal

Application Number:	14155013			
Filing Date:	14-Jan-2014			
Title of Invention:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER			
First Named Inventor/Applicant Name:	Aaron B. Sternberg			
Filer:	Paul Stephen Angello			
Attorney Docket Number:	22120/5:5			
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 3 months with \$0 paid	2253	1	700	700

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	2806	1	90	90
Total in USD (\$)				790

Transaction History Date 2014-10-03

Date information retrieved from USPTO Patent Application Information Retrieval (PAIR) system records at www.uspto.gov

Notice of Allowability	Application No. 14/155,013	Applicant(s) STERNBERG, AARON B.	
	Examiner Raleigh W. Chiu	Art Unit 3711	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to the terminal disclaimer filed 13 August 2014 and the amendment filed 24 September 2014.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 1-8. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) All b) Some *c) None of the:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has **THREE MONTHS FROM THE "MAILING DATE"** of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in **ABANDONMENT** of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. **CORRECTED DRAWINGS** (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. **DEPOSIT OF and/or INFORMATION** about the deposit of **BIOLOGICAL MATERIAL** must be submitted. Note the attached Examiner's comment regarding **REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL**.

Attachment(s)

1. <input type="checkbox"/> Notice of References Cited (PTO-892)	5. <input type="checkbox"/> Examiner's Amendment/Comment
2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>09/24/14</u>	6. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance
3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material	7. <input type="checkbox"/> Other _____.
4. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____.	

/Raleigh W. Chiu/ Primary Examiner, Art Unit 3711	
--	--

Substitute for Forms PTO-1449 and PTO/SB/08		Application No.	14/155,013
Receipt date: 09/24/2014		Filing Date	January 14, 2014
U.S. PATENT AND TRADEMARK OFFICE		First Named Inventor	Aaron B. Sternberg
INFORMATION DISCLOSURE STATEMENT (Use as many sheets as necessary)		Art Unit	3711
		Examiner Name	Raleigh W. Chiu
		Attorney Docket No.	22120/5:5

14/155013 - GAU: 3711

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
	AA	US-2005/0255915	11-17-2005	Riggs et al.	
	AB	US-6,939,192	09-06-2005	Munch et al.	
	AC	US-6,921,336	07-26-2005	Best	
	AD	US-6,710,766	03-23-2004	Ogata	
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	AI	US-5,645,277	07-08-1997	Cheng	
	AJ	US-5,476,261	12-19-1995	Hultstrand	
	AK	US-5,250,000	10-05-1993	Boutin et al.	
	AL	US-5,046,739	09-10-1991	Reichow	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³ ✓
		Country Code ¹ -Number ² -Kind Code (if known)				
	AM	JP 2004-129704	04-30-2004			
	AN	EP-1384500-A1	01-28-2004	Lego A/S		
	AO	WO 01/36915-A1	05-25-2001	Lego A/S et al.		
	AP	WO 99/36136	07-22-1999			

NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPS), title of the article (when appropriate), title of the item (book, magazine, journal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. For web pages and online documents, include author or site publisher (in CAPS), title of document, web page address (URL), date published (if known), "visited" date, pages.		T ³ ✓
			AQ	
	AR	International Search Report, International Application No. PCT/US 07/03462, dated 2/12/2008, 2 pages.		

EXAMINER SIGNATURE /Raleigh W. Chiu/	DATE CONSIDERED 09/30/2014
--	--------------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Enter Office that issued the document, by two-letter code (WIPO Std. ST.3). ²For Japanese patent documents, the year of the reign of the Emperor must precede the serial number of the document. ³Place checkmark here if English language translation is attached or if English language abstract is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RC/



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

3528 7590 10/03/2014
STOEL RIVES LLP - PDX
900 SW 5TH AVENUE
SUITE 2600
PORTLAND, OR 97204

EXAMINER

CHIU, RALEIGH W

ART UNIT PAPER NUMBER

3711

DATE MAILED: 10/03/2014

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

TITLE OF INVENTION: METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER

Table with 7 columns: APPLN. TYPE, ENTITY STATUS, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

3528 7590 10/03/2014
STOEL RIVES LLP - PDX
900 SW 5TH AVENUE
SUITE 2600
PORTLAND, OR 97204

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ (Depositor's name)
_____ (Signature)
_____ (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/155,013	01/14/2014	Aaron B. Sternberg	22120/5:5	6897

TITLE OF INVENTION: METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	01/05/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
CHIU, RALEIGH W	3711	273-14800B

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</p>	<p>2. For printing on the patent front page, list</p> <p>(1) The names of up to 3 registered patent attorneys or agents OR, alternatively, _____ 1</p> <p>(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. _____ 2</p> <p>_____ 3</p>
---	---

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE _____ (B) RESIDENCE: (CITY and STATE OR COUNTRY) _____

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

<p>4a. The following fee(s) are submitted:</p> <p><input type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).</p>
---	---

5. Change in Entity Status (from status indicated above)

Applicant certifying micro entity status. See 37 CFR 1.29

Applicant asserting small entity status. See 37 CFR 1.27

Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 14/155,013, 01/14/2014, Aaron B. Sternberg, 22120/5:5, 6897
Row 2: 3528, 7590, 10/03/2014, (Empty), (Empty)
Row 3: STOEL RIVES LLP - PDX, 900 SW 5TH AVENUE, SUITE 2600, PORTLAND, OR 97204, (Empty), (Empty)
Row 4: (Empty), (Empty), (Empty), ART UNIT, PAPER NUMBER
Row 5: (Empty), (Empty), (Empty), 3711, (Empty)

DATE MAILED: 10/03/2014

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	20507640
Application Number:	14155013
International Application Number:	
Confirmation Number:	6897
Title of Invention:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER
First Named Inventor/Applicant Name:	Aaron B. Sternberg
Customer Number:	3528
Filer:	Paul Stephen Angello
Filer Authorized By:	
Attorney Docket Number:	22120/5:5
Receipt Date:	24-OCT-2014
Filing Date:	14-JAN-2014
Time Stamp:	12:02:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$480
RAM confirmation Number	8441
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1	Issue Fee Payment (PTO-85B)	IPPASA55issfeexmittal.PDF	29988 ab0bbcae4d85b22ff224afa62c76196a6ed59727	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30322 aca5a60d43a5c58f430ad30ced18eafb273e9074	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				60310	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

3528 7590 10/03/2014
STOEL RIVES LLP - PDX
900 SW 5TH AVENUE
SUITE 2600
PORTLAND, OR 97204

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
 I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ (Depositor's name)
_____ (Signature)
_____ (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/155,013	01/14/2014	Aaron B. Sternberg	22120/5:5	6897

TITLE OF INVENTION: METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	01/05/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
CHIU, RALEIGH W	3711	273-14800B

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list
 (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Stoel Rives LLP
 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE **IPPASA, LLC** (B) RESIDENCE: (CITY and STATE OR COUNTRY) **Scottsdale, Arizona**

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

A check is enclosed.
 Payment by credit card. ~~XXXXXXXXXXXXXXXXXXXX~~
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 19-4455 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

Applicant certifying micro entity status. See 37 CFR 1.29
 Applicant asserting small entity status. See 37 CFR 1.27
 Applicant changing to regular undiscounted fee status.

(deficiencies only)

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
 NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
 NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature Paul S. Angello
 Typed or printed name Paul S. Angello

Date October 24, 2014
 Registration No. 30,991

Electronic Patent Application Fee Transmittal

Application Number:	14155013			
Filing Date:	14-Jan-2014			
Title of Invention:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A MANUAL CONTROLLER			
First Named Inventor/Applicant Name:	Aaron B. Sternberg			
Filer:	Paul Stephen Angello			
Attorney Docket Number:	22120/5:5			
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl Issue Fee	2501	1	480	480
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				480



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
14/155,013	01/14/2014	3711	730	22120/5:5	6	1

CONFIRMATION NO. 6897

CORRECTED FILING RECEIPT



3528
STOEL RIVES LLP - PDX
900 SW 5TH AVENUE
SUITE 2600
PORTLAND, OR 97204

Date Mailed: 10/27/2014

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Aaron B. Sternberg, Scottsdale, AZ;

Applicant(s)

IPPASA, LLC, Scottsdale, AZ

Assignment For Published Patent Application

IPPASA, LLC, Scottsdale, AZ

Power of Attorney: The patent practitioners associated with Customer Number 3528

Domestic Priority data as claimed by applicant

This application is a CON of 13/347,414 01/10/2012 PAT 8628085
which is a CON of 12/795,540 06/07/2010 PAT 8091892
which is a CON of 12/278,102 08/01/2008 PAT 7731191
which is a 371 of PCT/US07/03462 02/09/2007
which claims benefit of 60/772,343 02/10/2006

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 01/28/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/155,013**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A CONTROLLER

Preliminary Class

273

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/155,013	11/25/2014	8894066	22120/5:5	6897

3528 7590 11/05/2014
STOEL RIVES LLP - PDX
900 SW 5TH AVENUE
SUITE 2600
PORTLAND, OR 97204

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

IPPASA, LLC, Scottsdale, AZ, Assignee (with 37 CFR 1.172 Interest);
Aaron B. Sternberg, Scottsdale, AZ;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

Electronic Acknowledgement Receipt

EFS ID:	21826063
Application Number:	14155013
International Application Number:	
Confirmation Number:	6897
Title of Invention:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A CONTROLLER
First Named Inventor/Applicant Name:	Aaron B. Sternberg
Customer Number:	3528
Filer:	Brian Pollack/Teresa O'Sullivan
Filer Authorized By:	Brian Pollack
Attorney Docket Number:	22120/5:5
Receipt Date:	19-MAR-2015
Filing Date:	14-JAN-2014
Time Stamp:	17:53:22
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	707280_310_Change_of_Entity _Status_03192015.pdf	67077 a4953bbfca3e7e186d4b05778bdb1c287a 811cb	no	2

Warnings:

Information:

Total Files Size (in bytes):

67077

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

707280.000310

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inv.: Aaron B. Sternberg
Group Art Unit: 3711
Appl. Ser. No.: 14/155,013
Confirm. No.: 6897
Filed: 01-14-2014
Examiner: RALEIGH W. CHIU
Title: METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A CONTROLLER

COMMUNICATION UNDER 37 C.F.R. 1.27(g)(2)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The above-referenced patent has experienced a change in ownership structure that now qualifies as a large entity status since the new Assignee, LEGO SYSTEM A/S, has more than 500 employees. Assignee thus wishes to now assert large entity status in this patent.

Authorization

Applicant hereby authorizes and requests that the Commissioner charge any additional fees that may be required for consideration of this and/or any accompanying and/or necessary papers to Deposit Account 501145, Order No. 707280.000310. In the event that an extension of time is required (or which may be required in addition to that requested in a petition for an extension of time), Applicant requests that the Commissioner grant a petition for an extension of time required to make this response timely, and, Applicant hereby authorizes and requests that the Commissioner charge any fee or credit any overpayment for such an extension of time to Deposit Account 501145, Order No. 707280.000310.

Page 1 of 2

707280.000310

Respectfully submitted,
Attorney(s) for Applicant,
Day Pitney LLP

Dated: March 19, 2015

By: /Brian R. Pollack/
Brian R. Pollack
Registration No.: 47,001

Correspondence Address:

Associated with Customer No. 29540

Day Pitney LLP
One Canterbury Green
Stamford, CT 06901-2047
(203) 977 7447
patents@daypitney.com

Electronic Acknowledgement Receipt

EFS ID:	21904507
Application Number:	14155013
International Application Number:	
Confirmation Number:	6897
Title of Invention:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A CONTROLLER
First Named Inventor/Applicant Name:	Aaron B. Sternberg
Customer Number:	3528
Filer:	Brian Pollack/Teresa O'Sullivan
Filer Authorized By:	Brian Pollack
Attorney Docket Number:	22120/5:5
Receipt Date:	27-MAR-2015
Filing Date:	14-JAN-2014
Time Stamp:	17:03:38
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Assignee showing of ownership per 37 CFR 3.73.	707280_000310_aia0096.pdf	78648 151eef63bcdaac1fa4b24a5958fb6b18e9de0f38	no	3

Warnings:

Information:

2	Power of Attorney	LEGO_SYSTEM_AS_POA.pdf	151469	no	2
			f1234f03956cd51c6e06481d96ee49759991a4f7		

Warnings:

Information:

Total Files Size (in bytes):	230117
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: LEGO SYSTEM A/S

Application No./Patent No.: 8,894,066 Filed/Issue Date: 11-25-2014

Titled: METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A CONTROLLER

LEGO SYSTEM A/S, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. The assignee of the entire right, title, and interest.
2. An assignee of less than the entire right, title, and interest (check applicable box):
- The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
 - There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: IPPASA, LLC To: LEGO SYSTEM A/S

The document was recorded in the United States Patent and Trademark Office at
Reel 034612, Frame 0885, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Brian R. Pollack/

March 26, 2015

Signature

Date

Brian R. Pollack

47,001

Printed or Typed Name

Title or Registration Number

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

Practitioners associated with Customer Number: 29540

OR

Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignments documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

The address associated with Customer Number: 29540

OR

<input type="checkbox"/>	Firm or Individual Name			
<input type="checkbox"/>	Address			
<input type="checkbox"/>	City	State	Zip	
<input type="checkbox"/>	Country			
<input type="checkbox"/>	Telephone			Email

Assignee Name and Address: **LEGO SYSTEM A/S**
 Aastvej 1
 Billund, Denmark DK-7190

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/86 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record
 The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	14-01-2015
Name	Mette M. Andersen PETER KUER	Telephone	+45 79 5060 70
Title	Corporate Counsel Deputy General Counsel		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Privacy Act Statement

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The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/155,013	01/14/2014	Aaron B. Sternberg	22120/5:5

3528
STOEL RIVES LLP - PDX
900 SW 5TH AVENUE
SUITE 2600
PORTLAND, OR 97204

CONFIRMATION NO. 6897
MISCELLANEOUS NOTICE



Date Mailed: 04/01/2015

A communication which cannot be delivered in electronic form has been mailed to the applicant.


UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/155,013	01/14/2014	Aaron B. Sternberg	22120/5:5

CONFIRMATION NO. 6897

3528
 STOEL RIVES LLP - PDX
 900 SW 5TH AVENUE
 SUITE 2600
 PORTLAND, OR 97204



OC000000074358087

Cc: DAY PITNEY LLP
 ONE CANTERBURY GREEN
 201 BROAD STREET
 STAMFORD, CT 06901

Date Mailed: 04/01/2015

DENIAL OF REQUEST FOR POWER OF ATTORNEY

The request for Power of Attorney filed 03/27/2015 is acknowledged. However, the request cannot be granted at this time for the reason stated below.

- The Power of Attorney you provided did not comply with the new Power of Attorney rules that became effective on June 25, 2004. See 37 CFR 1.32.
- The revocation is not signed by the applicant, the assignee of the entire interest, or one particular principal attorney having the authority to revoke.
- The Power of Attorney is from an assignee and the Certificate required by 37 CFR 3.73(c) has not been received.
- The person signing for the assignee has omitted their empowerment to sign on behalf of the assignee.
- The inventor(s) is without authority to appoint attorneys since the assignee has intervened as provided by 37 CFR 3.71.
- The signature(s) of _____, a co-inventor in this application, has been omitted. The Power of Attorney will be entered upon receipt of confirmation signed by said co-inventor(s).
- The person(s) appointed in the Power of Attorney is not registered to practice before the U.S. Patent and Trademark Office.
- Only one Customer Number can be designated for the Power of Attorney in an application. The Customer Number that was captured is the first Customer Number provided on the Power of Attorney document.

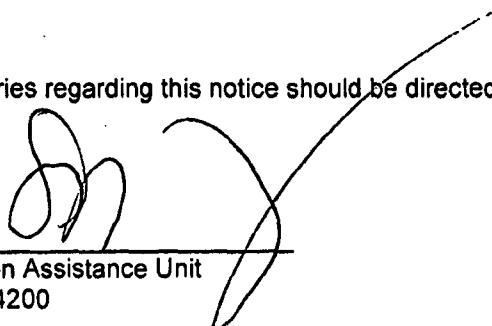


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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

- A request under 37 CFR 1.48 to add an inventor was granted in this application, however, no power of attorney consistent with the power of attorney granted by the originally named inventive entity has been received. Thus, the addition of the inventor has resulted in the loss of power of attorney in the application. See 37 CFR 1.32(e).
- The power of attorney has not been accepted because the party who is giving power of attorney has not been identified. Power of attorney may only be signed by the applicant for patent (37 CFR 1.42) or the patent owner. A patent owner who was not the applicant must appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. See 37 CFR 1.32(b)(4).
- The power of attorney from the inventors has not been accepted because it is a copy from a prior national application for which benefit is claimed and the continuing application names an inventor who was not named as an inventor in the prior application.
- The power of attorney from the inventors has not been accepted because the power of attorney must be signed by the applicant for patent. See 37 CFR 1.32(b)(4).
- Any request to correct or update the name of the applicant must include an application data sheet (ADS) in compliance with 37 CFR 1.76 specifying the correct or updated name of the applicant in the applicant information section. Any request to change the applicant after an original applicant has been specified under 37 CFR 1.46(b) must include a new ADS in compliance with 37 CFR 1.76 specifying the applicant in the applicant information section and comply with 37 CFR 3.71 and 3.73. See 37 CFR 1.46(c).

Any inquiries regarding this notice should be directed to the Application Assistance Unit at 571-272-4200.


Application Assistance Unit
571-272-4200

PATENT APPLICATION FEE DETERMINATION RECORD
Substitute for Form PTO-875

Application or Docket Number
14/155,013

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A
TOTAL CLAIMS (37 CFR 1.16(j))	6	minus 20 = *
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1	minus 3 = *
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).	
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))		

SMALL ENTITY	
RATE(\$)	FEE(\$)
N/A	70
N/A	300
N/A	360
x 40 =	0.00
x 210 =	0.00
	0.00
	0.00
TOTAL	730

OTHER THAN SMALL ENTITY	
RATE(\$)	FEE(\$)
N/A	
N/A	
N/A	
TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED - PART II

AMENDMENT A	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(i))	*	Minus **	=
Independent (37 CFR 1.16(h))	*	Minus ***	=
Application Size Fee (37 CFR 1.16(s))			
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))			

SMALL ENTITY	
RATE(\$)	ADDITIONAL FEE(\$)
x =	
x =	
TOTAL ADD'L FEE	

OTHER THAN SMALL ENTITY	
RATE(\$)	ADDITIONAL FEE(\$)
x =	
x =	
TOTAL ADD'L FEE	

AMENDMENT B	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(i))	*	Minus **	=
Independent (37 CFR 1.16(h))	*	Minus ***	=
Application Size Fee (37 CFR 1.16(s))			
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))			

SMALL ENTITY	
RATE(\$)	ADDITIONAL FEE(\$)
x =	
x =	
TOTAL ADD'L FEE	

OTHER THAN SMALL ENTITY	
RATE(\$)	ADDITIONAL FEE(\$)
x =	
x =	
TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
 The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/155,013	Filing Date 01/14/2014	<input type="checkbox"/> To be Mailed
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ENTITY: LARGE SMALL MICRO

APPLICATION AS FILED – PART I

FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 = *		X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

	(Column 1)	(Column 2)	(Column 3)	(Column 3)	RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	09/24/2014	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		
	Total (37 CFR 1.16(i))	+ 8	Minus ** 20	= 0	X \$40 =	0
	Independent (37 CFR 1.16(h))	+ 2	Minus *** 3	= 0	X \$210 =	0
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0

	(Column 1)	(Column 2)	(Column 3)	(Column 3)	RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		
	Total (37 CFR 1.16(i))	*	Minus **	=	X \$ =	
	Independent (37 CFR 1.16(h))	*	Minus ***	=	X \$ =	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/LAN DONG/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
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Table of Contents

1. US8894066B2 Method of facilitating user preference in creative design of a controller
-

Family 1/1

18 record(s) per family, collapsed by 9 record(s)

Record 1/9 WO2007095082A3 CONFIGURABLE MANUAL CONTROLLER | DISPOSITIF DE COMMANDE MANUEL CONFIGURABLE

Publication Number:

WO2007095082A3 20080410
WO2007095082A2 20070823

Title:

CONFIGURABLE MANUAL CONTROLLER | DISPOSITIF DE COMMANDE MANUEL CONFIGURABLE

Title - DWPI:

Configurable manual controller for manipulating e.g. image, has exoskeleton provided with interior region and patterned surface portion, where surface portion supports building elements for mating to surface portion

Priority Number:

US2006772343P

Priority Date:

2006-02-10

Application Number:

WO2007US3462A

Application Date:

2007-02-09

Publication Date:

2008-04-10

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A63F000924	A	A63	A63F	A63F0009	A63F000924

IPC Class Table - DWPI:

IPC - DWPI	Section - DWPI	Class - DWPI	Subclass - DWPI	Class Group - DWPI	Subgroup - DWPI
A63F000700	A	A63	A63F	A63F0007	A63F000700
G06F0003048	G	G06	G06F	G06F0003	G06F0003048
A63F001100	A	A63	A63F	A63F0011	A63F001100
A63F001300	A	A63	A63F	A63F0013	A63F001300
A63F001302	A	A63	A63F	A63F0013	A63F001302
A63F001306	A	A63	A63F	A63F0013	A63F001306
A63F001320	A	A63	A63F	A63F0013	A63F001320
A63F000924	A	A63	A63F	A63F0009	A63F000924
A63H003304	A	A63	A63H	A63H0033	A63H003304
A63H003308	A	A63	A63H	A63H0033	A63H003308
G06F001700	G	G06	G06F	G06F0017	G06F001700

Assignee/Applicant:

STERNBERG Aaron B.,US

JP F Terms:

JP FI Codes:

Assignee - Original:

STERNBERG Aaron B.

Any CPC Table:

Type	Invention	Additional	Version	Office
Current	A63F 11/00	A63F 2300/1043	20130101	EP
Current	A63F 13/06	A63F 2300/1062	20130101	EP
Current	A63H 33/04		20130101	EP
Current	A63H 33/086		20130101	EP

ECLA:

A63F001306 | A63H003304 | A63H003308L | K63F030010M | K63F030010S

Abstract:

A configurable manual controller (10, 140) for manipulating images or symbols on a display is adapted for construction with matable building elements (122) arranged by a user. The user forms the manual controller to exhibit a customized shape and ornamental appearance reflecting the user's game-inspired, ergonomic, or style preferences.

La présente invention concerne un dispositif de commande (10, 140) manuel configurable pour manipuler des images ou des symboles sur un écran conçu pour la construction avec des éléments de construction (122) emboîtables agencés par un utilisateur. L'utilisateur commande le dispositif de commande manuel pour qu'il présente une forme et une apparence ornementale personnalisées reflétant les préférences de style, d'ergonomie ou inspirées par le jeu de l'utilisateur.

Language of Publication:

EN

INPADOC Legal Status Table:

Gazette Date	Code	INPADOC Legal Status Impact
2008-10-22	121	-
Description: EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION EP 07750309 A2		
2008-09-10	WWE	+
Description: WIPO INFORMATION: ENTRY INTO NATIONAL PHASE CN 200780008595.3		
2008-09-04	ENP	-
Description: ENTRY INTO THE NATIONAL PHASE IN: AU 2007215294 A		
2008-08-12	WWE	+
Description: WIPO INFORMATION: ENTRY INTO NATIONAL PHASE AU 2007215294		
2008-08-12	NENP	-
Description: NON-ENTRY INTO THE NATIONAL PHASE IN: DE		

2008-08-01	WWE	+
Description: WIPO INFORMATION: ENTRY INTO NATIONAL PHASE US 12278102		

Post-Issuance (US):

Reassignment (US) Table:

Maintenance Status (US):

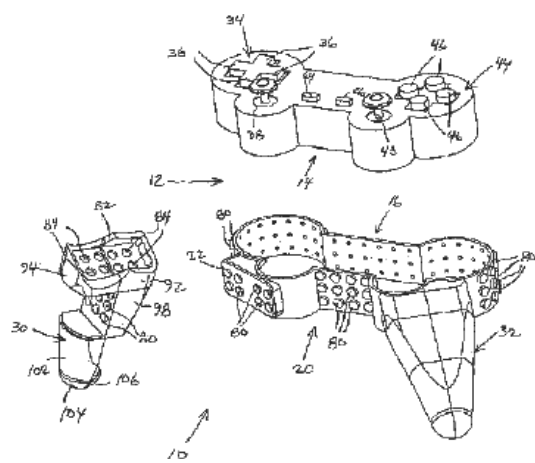
Litigation (US):

Opposition (EP):

License (EP):

EPO Procedural Status:

Front Page Drawing:



Record 2/9 US7731191B2 Configurable manual controller

Publication Number:

US7731191B2 20100608
US20090118012A1 20090507

Title:

Configurable manual controller

Title - DWPI:

Configurable manual controller for manipulating e.g. image, has exoskeleton provided with interior region and patterned surface portion, where surface portion supports building elements for mating to surface portion

Priority Number:

US2006772343P | WO2007US3462A | US2008278102A

Priority Date:

2006-02-10 | 2007-02-09 | 2007-02-09

Application Number:

US2008278102A

Application Date:

2008-08-01

Publication Date:

2010-06-08

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A63F007100	A	A63	A63F	A63F0071	A63F007100

IPC Class Table - DWPI:

IPC - DWPI	Section - DWPI	Class - DWPI	Subclass - DWPI	Class Group - DWPI	Subgroup - DWPI
A63F000700	A	A63	A63F	A63F0007	A63F000700
G06F0003048	G	G06	G06F	G06F0003	G06F0003048
A63F001100	A	A63	A63F	A63F0011	A63F001100
A63F001300	A	A63	A63F	A63F0013	A63F001300
A63F001302	A	A63	A63F	A63F0013	A63F001302
A63F001306	A	A63	A63F	A63F0013	A63F001306
A63F001320	A	A63	A63F	A63F0013	A63F001320
A63F000924	A	A63	A63F	A63F0009	A63F000924

A63H003304	A	A63	A63H	A63H0033	A63H003304
A63H003308	A	A63	A63H	A63H0033	A63H003308
G06F001700	G	G06	G06F	G06F0017	G06F001700

Assignee/Applicant:

IPPASA LLC, Vancouver, WA, US

JP F Terms:

JP FI Codes:

Assignee - Original:

IPPASA LLC

Any CPC Table:

Type	Invention	Additional	Version	Office
Current	A63F 11/00	A63F 2300/1043	20130101	EP
Current	A63F 13/06	A63F 2300/1062	20130101	EP
Current	A63H 33/04		20130101	EP
Current	A63H 33/086		20130101	EP

ECLA:

A63F001306 | A63H003304 | A63H003308L | K63F030010M | K63F030010S

Abstract:

A configurable manual controller (10, 140) for manipulating images or symbols on a display is adapted for construction with matable building elements (122) arranged by a user. The user forms the manual controller to exhibit a customized shape and ornamental appearance reflecting the user's game-inspired, ergonomic, or style preferences.

La présente invention concerne un dispositif de commande (10, 140) manuel configurable pour manipuler des images ou des symboles sur un écran conçu pour la construction avec des éléments de construction (122) emboîtables agencés par un utilisateur. L'utilisateur commande le dispositif de commande manuel pour qu'il présente une forme et une apparence ornementale personnalisées reflétant les préférences de style, d'ergonomie ou inspirées par le jeu de l'utilisateur.

Language of Publication:

EN

INPADOC Legal Status Table:

Gazette Date	Code	INPADOC Legal Status Impact
2008-08-13	AS	-

Description: ASSIGNMENT IPPASA, LLC,WASHINGTON ASSIGNMENT OF ASSIGNORS INTEREST;
 ASSIGNOR:STERNBERG, AARON B.; REEL/FRAME:021384/0093 2008-08-08

2008-08-13

AS

-

Description: ASSIGNMENT IPPASA, LLC,WASHINGTON ASSIGNMENT OF ASSIGNORS INTEREST;
 ASSIGNOR:STERNBERG, AARON B.; REEL/FRAME:021384/0088 2008-08-08

Post-Issuance (US):

Reassignment (US) Table:

Assignee	Assignor	Date Signed	Reel/Frame	Date
LEGO SYSTEM A/S,BILLUND,DK	IPPASA, LLC	2014-12-06	034612/0885	2015-01-02
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).				
Corresponent: DAY PITNEY LLP ONE CANTERBURY GREEN 201 BROAD STREET STAMFORD, CT 06901				
IPPASA LLC,VANCOUVER,WA,US	STERNBERG, AARON B.	2008-08-08	021384/0093	2008-08-13
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).				
Corresponent: PAUL S. ANGELLO 900 SW FIFTH AVENUE SUITE 2600 PORTLAND, OR 97204-1268				
IPPASA LLC,VANCOUVER,WA,US	STERNBERG, AARON B.	2008-08-08	021384/0088	2008-08-13
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).				
Corresponent: PAUL S. ANGELLO 900 SW FIFTH AVENUE SUITE 2600 PORTLAND, OR 97204-1268				

Maintenance Status (US):

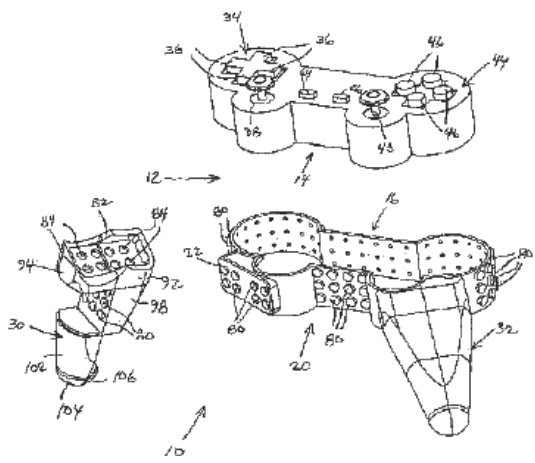
Litigation (US):

Opposition (EP):

License (EP):

EPO Procedural Status:

Front Page Drawing:



Record 3/9 US8091892B2 Manual controller configurable by user arrangement of matable building elements

Publication Number:

US8091892B2 20120110
US20100248840A1 20100930

Title:

Manual controller configurable by user arrangement of matable building elements

Title - DWPI:

Configurable manual controller for manipulating e.g. image, has exoskeleton provided with interior region and patterned surface portion, where surface portion supports building elements for mating to surface portion

Priority Number:

US2006772343P | WO2007US3462A | US2008278102A

Priority Date:

2006-02-10 | 2007-02-09 | 2008-08-01

Application Number:

US2010795540A

Application Date:

2010-06-07

Publication Date:

2012-01-10

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A63F007100	A	A63	A63F	A63F0071	A63F007100

IPC Class Table - DWPI:

IPC - DWPI	Section - DWPI	Class - DWPI	Subclass - DWPI	Class Group - DWPI	Subgroup - DWPI
A63F000700	A	A63	A63F	A63F0007	A63F000700
G06F0003048	G	G06	G06F	G06F0003	G06F0003048
A63F001100	A	A63	A63F	A63F0011	A63F001100
A63F001300	A	A63	A63F	A63F0013	A63F001300
A63F001302	A	A63	A63F	A63F0013	A63F001302
A63F001306	A	A63	A63F	A63F0013	A63F001306
A63F001320	A	A63	A63F	A63F0013	A63F001320

A63F000924	A	A63	A63F	A63F0009	A63F000924
A63H003304	A	A63	A63H	A63H0033	A63H003304
A63H003308	A	A63	A63H	A63H0033	A63H003308
G06F001700	G	G06	G06F	G06F0017	G06F001700

Assignee/Applicant:

IPPASA LLC, Vancouver, WA, US

JP F Terms:

JP FI Codes:

Assignee - Original:

IPPASA LLC

Any CPC Table:

Type	Invention	Additional	Version	Office
Current	A63F 11/00	A63F 2300/1043	20130101	EP
Current	A63F 13/06	A63F 2300/1062	20130101	EP
Current	A63H 33/04		20130101	EP
Current	A63H 33/086		20130101	EP

ECLA:

A63F001306 | A63H003304 | A63H003308L | K63F030010M | K63F030010S

Abstract:

A configurable manual controller for manipulating images or symbols on a display is adapted for construction with matable building elements arranged by a user. The user forms the manual controller to exhibit a customized ornamental appearance reflecting the user's game-inspired, ergonomic, or style preferences.

Language of Publication:

EN

INPADOC Legal Status Table:

Gazette Date	Code	INPADOC Legal Status Impact
2015-01-02	AS	-
Description: ASSIGNMENT LEGO SYSTEM A/S, DENMARK ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:IPPASA, LLC; REEL/FRAME:034612/0885 2014-12-06		

Post-Issuance (US):

Reassignment (US) Table:

Assignee	Assignor	Date Signed	Reel/Frame	Date
LEGO SYSTEM A/S,BILLUND,DK	IPPASA, LLC	2014-12-06	034612/0885	2015-01-02
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).				
Corresponent: DAY PITNEY LLP ONE CANTERBURY GREEN 201 BROAD STREET STAMFORD, CT 06901				

Maintenance Status (US):

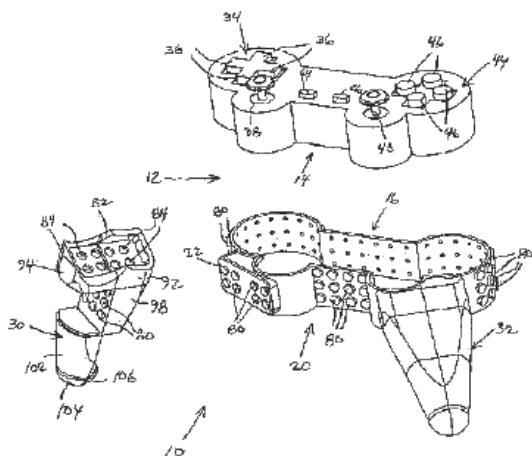
Litigation (US):

Opposition (EP):

License (EP):

EPO Procedural Status:

Front Page Drawing:



Record 4/9 CN101400415B Configurable manual controller | Capable of configuration manual control

Publication Number:

CN101400415B 20120111
 CN101400415A 20090401

Title:

Configurable manual controller | Capable of configuration manual control

Title - DWPI:

Configurable manual controller for manipulating e.g. image, has exoskeleton provided with interior region and patterned surface portion, where surface portion supports building elements for mating to surface portion

Priority Number:

US2006772343P | WO2007US3462A

Priority Date:

2006-02-10 | 2007-02-09

Application Number:

CN200780008595A

Application Date:

2007-02-09

Publication Date:

2012-01-11

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A63F000924	A	A63	A63F	A63F0009	A63F000924

IPC Class Table - DWPI:

IPC - DWPI	Section - DWPI	Class - DWPI	Subclass - DWPI	Class Group - DWPI	Subgroup - DWPI
A63F000700	A	A63	A63F	A63F0007	A63F000700
G06F0003048	G	G06	G06F	G06F0003	G06F0003048
A63F001100	A	A63	A63F	A63F0011	A63F001100
A63F001300	A	A63	A63F	A63F0013	A63F001300
A63F001302	A	A63	A63F	A63F0013	A63F001302
A63F001306	A	A63	A63F	A63F0013	A63F001306
A63F001320	A	A63	A63F	A63F0013	A63F001320

A63F000924	A	A63	A63F	A63F0009	A63F000924
A63H003304	A	A63	A63H	A63H0033	A63H003304
A63H003308	A	A63	A63H	A63H0033	A63H003308
G06F001700	G	G06	G06F	G06F0017	G06F001700

Assignee/Applicant:

APESA COMPANY,US

JP F Terms:

JP FI Codes:

Assignee - Original:

APESA COMPANY

Any CPC Table:

Type	Invention	Additional	Version	Office
Current	A63F 11/00	A63F 2300/1043	20130101	EP
Current	A63F 13/06	A63F 2300/1062	20130101	EP
Current	A63H 33/04		20130101	EP
Current	A63H 33/086		20130101	EP

ECLA:

A63F001306 | A63H003304 | A63H003308L | K63F030010M | K63F030010S

Abstract:

A configurable manual controller (10, 140) for manipulating images or symbols on a display is adapted for construction with matable building elements (122) arranged by a user. The user forms the manual controller to exhibit a customized shape and ornamental appearance reflecting the user's game-inspired, ergonomic, or style preferences.

The image or mark on the operating display configurable manual controller (10, 140) is adapted to be arranged using user can match the building elements (122). User to form manual control to display the customized shape and ornamental appearance so as to reflect the user inspiration game, engineering or style preferences.

La présente invention concerne un dispositif de commande (10, 140) manuel configurable pour manipuler des images ou des symboles sur un écran conçu pour la construction avec des éléments de construction (122) emboîtables agencés par un utilisateur. L'utilisateur commande le dispositif de commande manuel pour qu'il présente une forme et une apparence ornementale personnalisées reflétant les préférences de style, d'ergonomie ou inspirées par le jeu de l'utilisateur.

Language of Publication:

ZH

INPADOC Legal Status Table:

Gazette Date	Code	INPADOC Legal Status Impact
2012-01-11	C14	+
Description: GRANTED		
2009-05-27	C10	-
Description: REQUEST OF EXAMINATION AS TO SUBSTANCE		
2009-04-01	C06	+
Description: PUBLICATION		

Post-Issuance (US):

Reassignment (US) Table:

Maintenance Status (US):

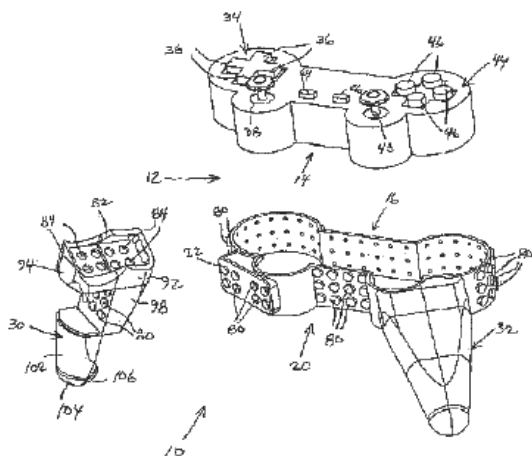
Litigation (US):

Opposition (EP):

License (EP):

EPO Procedural Status:

Front Page Drawing:



Record 5/9 AU2007215294B2 Configurable manual controller

Publication Number:

AU2007215294B2 20120315
 AU2007215294A1 20080904

Title:

Configurable manual controller

Title - DWPI:

Configurable manual controller for manipulating e.g. image, has exoskeleton provided with interior region and patterned surface portion, where surface portion supports building elements for mating to surface portion

Priority Number:

US2006772343P | WO2007US3462A

Priority Date:

2006-02-10 | 2007-02-09

Application Number:

AU2007215294A

Application Date:

2007-02-09

Publication Date:

2012-03-15

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A63F000924	A	A63	A63F	A63F0009	A63F000924

IPC Class Table - DWPI:

IPC - DWPI	Section - DWPI	Class - DWPI	Subclass - DWPI	Class Group - DWPI	Subgroup - DWPI
A63F000700	A	A63	A63F	A63F0007	A63F000700
G06F0003048	G	G06	G06F	G06F0003	G06F0003048
A63F001100	A	A63	A63F	A63F0011	A63F001100
A63F001300	A	A63	A63F	A63F0013	A63F001300
A63F001302	A	A63	A63F	A63F0013	A63F001302
A63F001306	A	A63	A63F	A63F0013	A63F001306
A63F001320	A	A63	A63F	A63F0013	A63F001320
A63F000924	A	A63	A63F	A63F0009	A63F000924

A63H003304	A	A63	A63H	A63H0033	A63H003304
A63H003308	A	A63	A63H	A63H0033	A63H003308
G06F001700	G	G06	G06F	G06F0017	G06F001700

Assignee/Applicant:

IPPASA LLC

JP F Terms:

JP FI Codes:

Assignee - Original:

IPPASA LLC

Any CPC Table:

Type	Invention	Additional	Version	Office
Current	A63F 11/00	A63F 2300/1043	20130101	EP
Current	A63F 13/06	A63F 2300/1062	20130101	EP
Current	A63H 33/04		20130101	EP
Current	A63H 33/086		20130101	EP

ECLA:

A63F001306 | A63H003304 | A63H003308L | K63F030010M | K63F030010S

Abstract:

A configurable manual controller (10, 140) for manipulating images or symbols on a display is adapted for construction with matable building elements (122) arranged by a user. The user forms the manual controller to exhibit a customized shape and ornamental appearance reflecting the user's game-inspired, ergonomic, or style preferences.

La présente invention concerne un dispositif de commande (10, 140) manuel configurable pour manipuler des images ou des symboles sur un écran conçu pour la construction avec des éléments de construction (122) emboîtables agencés par un utilisateur. L'utilisateur commande le dispositif de commande manuel pour qu'il présente une forme et une apparence ornementale personnalisées reflétant les préférences de style, d'ergonomie ou inspirées par le jeu de l'utilisateur.

Language of Publication:

EN

INPADOC Legal Status Table:

Gazette Date	Code	INPADOC Legal Status Impact
2012-07-12	FGA	+

Description: LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)		
2012-03-08	PC1	-
Description: ASSIGNMENT BEFORE GRANT (SECT. 113) IPPASA, LLC FORMER APPLICANT(S): STERNBERG, AARON		

Post-Issuance (US):

Reassignment (US) Table:

Maintenance Status (US):

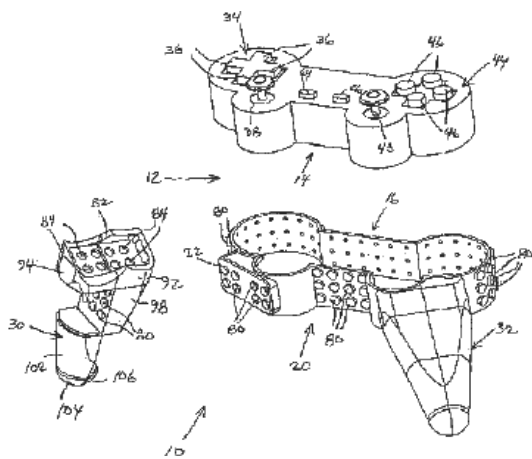
Litigation (US):

Opposition (EP):

License (EP):

EPO Procedural Status:

Front Page Drawing:



Record 6/9 EP1993687B1 CONFIGURABLE MANUAL CONTROLLER | KONFIGURIERBARE MANUELLE STEUERUNG | DISPOSITIF DE COMMANDE MANUEL CONFIGURABLE

Publication Number:

EP1993687B1 20120523
 EP1993687A2 20081126
 EP1993687A4 20100721

Title:

CONFIGURABLE MANUAL CONTROLLER | KONFIGURIERBARE MANUELLE STEUERUNG | DISPOSITIF DE COMMANDE MANUEL CONFIGURABLE

Title - DWPI:

Configurable manual controller for manipulating e.g. image, has exoskeleton provided with interior region and patterned surface portion, where surface portion supports building elements for mating to surface portion

Priority Number:

US2006772343P | WO2007US3462A

Priority Date:

2006-02-10 | 2007-02-09

Application Number:

EP2007750309A

Application Date:

2007-02-09

Publication Date:

2012-05-23

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A63H003304	A	A63	A63H	A63H0033	A63H003304
A63F001300	A	A63	A63F	A63F0013	A63F001300

IPC Class Table - DWPI:

IPC - DWPI	Section - DWPI	Class - DWPI	Subclass - DWPI	Class Group - DWPI	Subgroup - DWPI
A63F000700	A	A63	A63F	A63F0007	A63F000700
G06F0003048	G	G06	G06F	G06F0003	G06F0003048
A63F001100	A	A63	A63F	A63F0011	A63F001100
A63F001300	A	A63	A63F	A63F0013	A63F001300
A63F001302	A	A63	A63F	A63F0013	A63F001302

A63F001306	A	A63	A63F	A63F0013	A63F001306
A63F001320	A	A63	A63F	A63F0013	A63F001320
A63F000924	A	A63	A63F	A63F0009	A63F000924
A63H003304	A	A63	A63H	A63H0033	A63H003304
A63H003308	A	A63	A63H	A63H0033	A63H003308
G06F001700	G	G06	G06F	G06F0017	G06F001700

Assignee/Applicant:

IPPASA LLC, Vancouver WA 98685, US, 101064774

JP F Terms:

JP FI Codes:

Assignee - Original:

IPPASA LLC

Any CPC Table:

Type	Invention	Additional	Version	Office
Current	A63F 11/00	A63F 2300/1043	20130101	EP
Current	A63F 13/06	A63F 2300/1062	20130101	EP
Current	A63H 33/04		20130101	EP
Current	A63H 33/086		20130101	EP

ECLA:

A63F001306 | A63H003304 | A63H003308L | K63F030010M | K63F030010S

Abstract:

A configurable manual controller (10, 140) for manipulating images or symbols on a display is adapted for construction with matable building elements (122) arranged by a user. The user forms the manual controller to exhibit a customized shape and ornamental appearance reflecting the user's game-inspired, ergonomic, or style preferences.

La présente invention concerne un dispositif de commande (10, 140) manuel configurable pour manipuler des images ou des symboles sur un écran conçu pour la construction avec des éléments de construction (122) emboîtables agencés par un utilisateur. L'utilisateur commande le dispositif de commande manuel pour qu'il présente une forme et une apparence ornementale personnalisées reflétant les préférences de style, d'ergonomie ou inspirées par le jeu de l'utilisateur.

Language of Publication:

EN

INPADOC Legal Status Table:

Gazette Date	Code	INPADOC Legal Status Impact
2015-04-30	PGFP	+
Description: POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE DE		
2015-04-30	PGFP	+
Description: POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE DK		
2014-06-30	PGFP	+
Description: POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE GB		
2014-04-30	PGFP	+
Description: POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE DK		
2014-04-30	PGFP	+
Description: POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE DE		
2014-01-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO FR LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES 2013-02-28		
2014-01-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO IE LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES 2013-02-09		
2013-12-04	REG	-
Description: REFERENCE TO A NATIONAL CODE IE MM4A PATENT LAPSED		
2013-11-22	REG	-
Description: REFERENCE TO A NATIONAL CODE FR ST NOTIFICATION OF LAPSE 2013-10-31		
2013-10-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO ES LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-09-03		
2013-10-31	PG25	-

Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO CH LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES 2013-02-28		
2013-10-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO LI LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES 2013-02-28		
2013-09-30	REG	-
Description: REFERENCE TO A NATIONAL CODE CH PL PATENT CEASED		
2013-09-30	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO MC LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES 2013-02-28		
2013-07-31	PGFP	+
Description: POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE DE		
2013-07-31	PGFP	+
Description: POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE GB		
2013-07-31	PGFP	+
Description: POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE DK		
2013-07-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO BG LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-08-23		
2013-06-27	REG	-
Description: REFERENCE TO A NATIONAL CODE DE DE 602007022853 R097 NO OPPOSITION FILED AGAINST GRANTED PATENT, OR EPO OPPOSITION PROCEEDINGS CONCLUDED WITHOUT DECISION 2013-02-26		
2013-05-01	26N	+
Description: NO OPPOSITION FILED 2013-02-26		
2013-02-28	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO RO LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		

2013-02-28	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO IT LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2013-02-28	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO SK LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2013-02-28	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO PL LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2013-02-28	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO CZ LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2013-01-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO NL LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2013-01-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO EE LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2013-01-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO AT LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2013-01-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO RO LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2013-01-31	PG25	-

Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO CZ LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2013-01-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO SK LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2012-12-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO BE LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2012-11-15	REG	-
Description: REFERENCE TO A NATIONAL CODE AT AT 558774 T MK05 REVOCATION OF THE TRANSLATION OF THE EP PATENT 2012-05-23		
2012-10-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO FI LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2012-10-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO CY LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2012-10-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO SE LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2012-10-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO LT LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-05-23		
2012-10-31	PG25	-
Description: LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO IS LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT 2012-09-23		

2012-10-25	REG	-
Description: REFERENCE TO A NATIONAL CODE LT MG4D INVALIDATED EUROPEAN PATENT 2012-05-23		
2012-09-12	REG	-
Description: REFERENCE TO A NATIONAL CODE NL VDEP INVALID IN THE NETHERLANDS AS NO TRANSLATION HAS BEEN FILED 2012-05-23		
2012-08-27	REG	-
Description: REFERENCE TO A NATIONAL CODE DK T3 TRANSLATION OF EP PATENT		
2012-07-26	REG	-
Description: REFERENCE TO A NATIONAL CODE DE DE 602007022853 R096 DPMA PUBLICATION OF MENTIONED EP PATENT GRANT 2012-07-26		
2012-06-20	REG	-
Description: REFERENCE TO A NATIONAL CODE IE FG4D EUROPEAN PATENTS GRANTED DESIGNATING IRELAND		
2012-06-15	REG	-
Description: REFERENCE TO A NATIONAL CODE AT AT 558774 T REF REFERENCE TO AT NUMBER (EP PATENT ENTERS AUSTRIAN NATIONAL PHASE) 2012-06-15		
2012-05-31	REG	-
Description: REFERENCE TO A NATIONAL CODE CH EP ENTRY IN THE NATIONAL PHASE		
2012-05-23	REG	-
Description: REFERENCE TO A NATIONAL CODE GB FG4D EUROPEAN PATENT GRANTED		
2012-05-23	AK	+
Description: DESIGNATED CONTRACTING STATES: EP 1993687 B1 AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LI; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR		
2012-01-04	DAX	-
Description: EXTENSION OF THE EUROPEAN PATENT TO (DELETED)		
2010-08-25	17Q	+
Description: FIRST EXAMINATION REPORT 2010-07-21		

2010-07-21	RIC1	-
Description: CLASSIFICATION (CORRECTION)		
2010-07-21	RIC1	-
Description: CLASSIFICATION (CORRECTION)		
2010-07-21	A4	+
Description: SUPPLEMENTARY SEARCH REPORT 2010-06-21		
2008-12-10	RIN1	-
Description: INVENTOR (CORRECTION)		
2008-11-26	AK	+
Description: DESIGNATED CONTRACTING STATES: EP 1993687 A2 AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LI; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR		
2008-11-26	17P	+
Description: REQUEST FOR EXAMINATION FILED 2008-09-08		

Post-Issuance (US):

Reassignment (US) Table:

Maintenance Status (US):

Litigation (US):

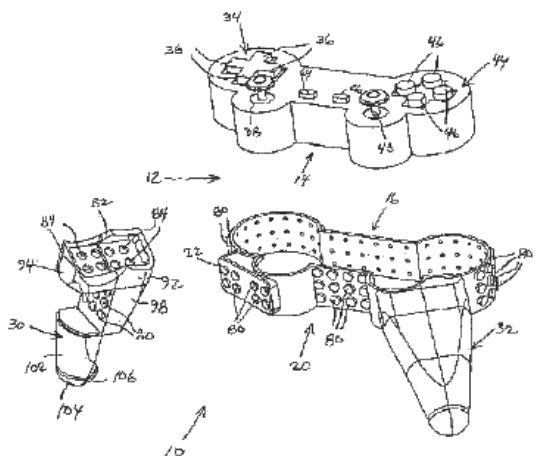
Opposition (EP):

License (EP):

EPO Procedural Status:

EX-RQ 2008-09-08 2008 Request for examination | EX-REPORT 2010-07-21 2010 Dispatch of 1st examination report

Front Page Drawing:



Record 7/9 DK1993687T3 KONFIGURERBART MANUELT STYREAPPARAT

Publication Number:

DK1993687T3 20120827

Title:

KONFIGURERBART MANUELT STYREAPPARAT

Title - DWPI:

Priority Number:

US2006772343P | WO2007US3462A

Priority Date:

2006-02-10 | 2007-02-09

Application Number:

DK2007750309T

Application Date:

2007-02-09

Publication Date:

2012-08-27

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A63H003304	A	A63	A63H	A63H0033	A63H003304
A63F001300	A	A63	A63F	A63F0013	A63F001300

IPC Class Table - DWPI:

Assignee/Applicant:

IPPASA LLC

JP F Terms:

JP FI Codes:

Assignee - Original:

Any CPC Table:

Type	Invention	Additional	Version	Office
Current	A63F 11/00	A63F 2300/1043	20130101	EP
Current	A63F 13/06	A63F 2300/1062	20130101	EP
Current	A63H 33/04		20130101	EP
Current	A63H 33/086		20130101	EP

ECLA:

A63F001306 | A63H003304 | A63H003308L | K63F030010M | K63F030010S

Abstract:

Language of Publication:

DA

INPADOC Legal Status Table:

Post-Issuance (US):

Reassignment (US) Table:

Maintenance Status (US):

Litigation (US):

Opposition (EP):

License (EP):

EPO Procedural Status:

Front Page Drawing:

(No drawing/image available)

Record 8/9 US8628085B2 User-configurable casing for manual controller

Publication Number:

US8628085B2 20140114
US20120108339A1 20120503

Title:

User-configurable casing for manual controller

Title - DWPI:

Configurable manual controller for manipulating e.g. image, has exoskeleton provided with interior region and patterned surface portion, where surface portion supports building elements for mating to surface portion

Priority Number:

US2006772343P | WO2007US3462A | US2008278102A | US2010795540A

Priority Date:

2006-02-10 | 2007-02-09 | 2008-08-01 | 2010-06-07

Application Number:

US13347414A

Application Date:

2012-01-10

Publication Date:

2014-01-14

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A63F000700	A	A63	A63F	A63F0007	A63F000700

IPC Class Table - DWPI:

IPC - DWPI	Section - DWPI	Class - DWPI	Subclass - DWPI	Class Group - DWPI	Subgroup - DWPI
A63F000700	A	A63	A63F	A63F0007	A63F000700
G06F0003048	G	G06	G06F	G06F0003	G06F0003048
A63F001100	A	A63	A63F	A63F0011	A63F001100
A63F001300	A	A63	A63F	A63F0013	A63F001300
A63F001302	A	A63	A63F	A63F0013	A63F001302
A63F001306	A	A63	A63F	A63F0013	A63F001306
A63F001320	A	A63	A63F	A63F0013	A63F001320
A63F000924	A	A63	A63F	A63F0009	A63F000924

A63H003304	A	A63	A63H	A63H0033	A63H003304
A63H003308	A	A63	A63H	A63H0033	A63H003308
G06F001700	G	G06	G06F	G06F0017	G06F001700

Assignee/Applicant:

IPPASA LLC,Scottsdale,AZ,US | Sternberg Aaron B.,Vancouver,WA,US

JP F Terms:

JP FI Codes:

Assignee - Original:

IPPASA LLC | Sternberg Aaron B.

Any CPC Table:

Type	Invention	Additional	Version	Office
Current	A63F 11/00	A63F 2300/1043	20130101	EP
Current	A63F 13/06	A63F 2300/1062	20130101	EP
Current	A63H 33/04		20130101	EP
Current	A63H 33/086		20130101	EP

ECLA:

Abstract:

A configurable manual controller for manipulating images or symbols on a display is adapted for construction with matable building elements arranged by a user. The user forms the manual controller to exhibit a customized ornamental appearance reflecting the user's game-inspired, ergonomic, or style preferences.

Language of Publication:

EN

INPADOC Legal Status Table:

Gazette Date	Code	INPADOC Legal Status Impact
2015-01-02	AS	-
Description: ASSIGNMENT LEGO SYSTEM A/S, DENMARK ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:IPPASA, LLC; REEL/FRAME:034612/0885 2014-12-06		

Post-Issuance (US):

Reassignment (US) Table:

Assignee	Assignor	Date Signed	Reel/Frame	Date
LEGO SYSTEM A/S,BILLUND,DK	IPPASA, LLC	2014-12-06	034612/0885	2015-01-02
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).				
Corresponent: DAY PITNEY LLP ONE CANTERBURY GREEN 201 BROAD STREET STAMFORD, CT 06901				

Maintenance Status (US):

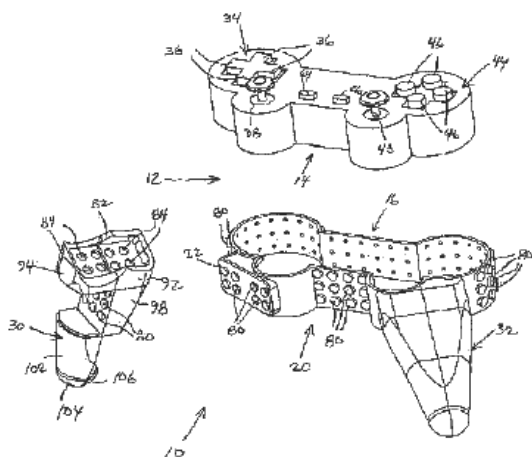
Litigation (US):

Opposition (EP):

License (EP):

EPO Procedural Status:

Front Page Drawing:



Record 9/9 US8894066B2 Method of facilitating user preference in creative design of a controller

Publication Number:

US8894066B2 20141125
 US20140125009A1 20140508

Title:

Method of facilitating user preference in creative design of a controller

Title - DWPI:

Configurable manual controller for manipulating e.g. image, has exoskeleton provided with interior region and patterned surface portion, where surface portion supports building elements for mating to surface portion

Priority Number:

US2006772343P | WO2007US3462A | US2008278102A | US2010795540A | US13347414A

Priority Date:

2006-02-10 | 2007-02-09 | 2008-08-01 | 2010-06-07 | 2012-01-10

Application Number:

US14155013A

Application Date:

2014-01-14

Publication Date:

2014-11-25

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A63F000700	A	A63	A63F	A63F0007	A63F000700
A63F001100	A	A63	A63F	A63F0011	A63F001100
A63F001320	A	A63	A63F	A63F0013	A63F001320
A63H003304	A	A63	A63H	A63H0033	A63H003304
A63H003308	A	A63	A63H	A63H0033	A63H003308

IPC Class Table - DWPI:

IPC - DWPI	Section - DWPI	Class - DWPI	Subclass - DWPI	Class Group - DWPI	Subgroup - DWPI
A63F000700	A	A63	A63F	A63F0007	A63F000700
G06F0003048	G	G06	G06F	G06F0003	G06F0003048
A63F001100	A	A63	A63F	A63F0011	A63F001100
A63F001300	A	A63	A63F	A63F0013	A63F001300

A63F001302	A	A63	A63F	A63F0013	A63F001302
A63F001306	A	A63	A63F	A63F0013	A63F001306
A63F001320	A	A63	A63F	A63F0013	A63F001320
A63F000924	A	A63	A63F	A63F0009	A63F000924
A63H003304	A	A63	A63H	A63H0033	A63H003304
A63H003308	A	A63	A63H	A63H0033	A63H003308
G06F001700	G	G06	G06F	G06F0017	G06F001700

Assignee/Applicant:

IPPASA LLC,Scottsdale,AZ,US | IPPASA LLC,Scottsdale,AZ,US

JP F Terms:

JP FI Codes:

Assignee - Original:

IPPASA LLC | IPPASA LLC

Any CPC Table:

Type	Invention	Additional	Version	Office
Current	A63F 11/00	A63F 2300/1043	20130101	EP
Current	A63F 13/06	A63F 2300/1062	20130101	EP
Current	A63H 33/04		20130101	EP
Current	A63H 33/086		20130101	EP
Original	A63F 11/00	A63F 2300/1043	20130101	US
Original	A63F 13/06	A63F 2300/1062	20130101	US
Original	A63H 33/04		20130101	US
Original	A63H 33/086		20130101	US

ECLA:

Abstract:

A configurable manual controller for manipulating images or symbols on a display is adapted for construction with matable building elements arranged by a user. The user forms the manual controller to exhibit a customized ornamental appearance reflecting the user's creative design preferences.

Language of Publication:

EN

INPADOC Legal Status Table:

Gazette Date	Code	INPADOC Legal Status Impact
2015-01-02	AS	-
Description: ASSIGNMENT LEGO SYSTEM A/S, DENMARK ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:IPPASA, LLC; REEL/FRAME:034612/0885 2014-12-06		

Post-Issuance (US):

Reassignment (US) Table:

Assignee	Assignor	Date Signed	Reel/Frame	Date
LEGO SYSTEM A/S,BILLUND,DK	IPPASA, LLC	2014-12-06	034612/0885	2015-01-02
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).				
Corresponent: DAY PITNEY LLP ONE CANTERBURY GREEN 201 BROAD STREET STAMFORD, CT 06901				

Maintenance Status (US):

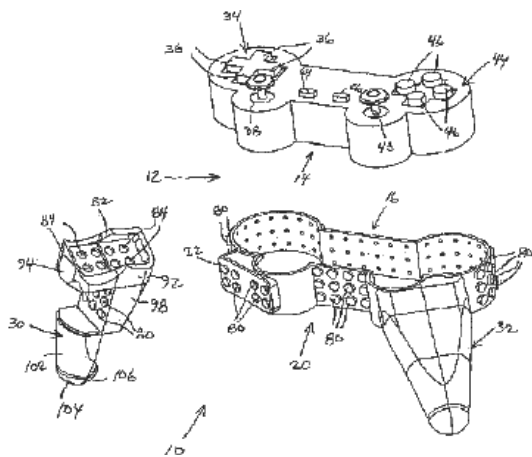
Litigation (US):

Opposition (EP):

License (EP):

EPO Procedural Status:

Front Page Drawing:





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USPTO Maintenance Report					
Patent Bibliographic Data				06/03/2015 12:34 AM	
Patent Number:	8894066	Application Number:	14155013		
Issue Date:	11/25/2014	Filing Date:	01/14/2014		
Title:	METHOD OF FACILITATING USER PREFERENCE IN CREATIVE DESIGN OF A CONTROLLER				
Status:	4th year fee window opens: 11/25/2017		Entity:	SMALL	
Window Opens:	N/A	Surcharge Date:	N/A	Expiration:	N/A
Fee Amt Due:	Window not open	Surchg Amt Due:	Window not open	Total Amt Due:	Window not open
Fee Code:					
Surcharge Fee Code:					
Most recent events (up to 7):	04/03/2015	Payor Number Assigned. --- End of Maintenance History ---			
Address for fee purposes:	DENNEMEYER & CO. LUXEMBOURG P.O. BOX 1502 L - 1015 LUXEMBOURG				