



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/397,486	02/15/2012	Leonardo ALDANA	PAT 101419-2

CONFIRMATION NO. 2018

POWER OF ATTORNEY NOTICE



OC00000074418843

89107

Borden Ladner Gervais LLP (Vancouver/BB)
1200 Waterfront Centre
200 Burrard Street, P.O. Box 48600
Vancouver, BC V7X 1T2
CANADA

Date Mailed: 06/26/2024

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 05/03/2024.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/sleutchit/



UNITED STATES PATENT AND TRADEMARK OFFICE

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Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/397,486	02/15/2012	Leonardo ALDANA	PAT 101419-2

CONFIRMATION NO. 2018

POA ACCEPTANCE LETTER



OC000000074418859

192641
Botos Churchill IP Law LLP - Malik
430 Mountain Avenue
Suite 401
New Providence, NJ 07974

Date Mailed: 06/26/2024

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 05/03/2024.

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.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/sleutchit/

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	13/397,486
Filing Date	02/15/2012
First Named Inventor	Leonardo ALDANA
Title	DOCK FOR A PORTABLE ELECTRONIC DEVICE
Art Unit	2833
Examiner Name	ROSS N GUSHI
Attorney Docket Number	41945-US-PAT

SIGNATURE of Applicant or Patent Practitioner

Signature	/Richard J. Botos/	Date (Optional)	2024-05-03
Name	Richard J. Botos	Registration Number	32,016
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☐

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.131, 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.

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: 192641

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 assignment 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: 192641

OR

☐ Firm or individual name: Botos Churchill IP Law, LLP			
Address: 430 Mountain Ave., Suite 401			
City: New Providence	State: NJ	Zip: 07974	
Country: USA			
Telephone: (908) 738-1770		Email: pto@bciplaw.com	

Assignee name and address:
Mantle Innovations Limited
The Glass Houses CH2 92 Georges Street Lower
Dun Laoghaire, Dublin, A96 VR66

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: <i>Angela Quinnan</i>	Date: 15th June 2023
Name: ANGELA QUINNAN	Telephone: +353 87 9171202
Title: MANAGING DIRECTOR	

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 update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 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 1480, Alexandria, VA 22313-1480. DO NOT SEND FEES ON COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1480, Alexandria, VA 22313-1480.

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

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

APPLICATION #
13/397,486

RECEIPT DATE / TIME
05/03/2024 09:24:55 AM Z ET

ATTORNEY DOCKET #
PAT 101419-2

Title of Invention

DOCK FOR A PORTABLE ELECTRONIC DEVICE

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	8545247
CONFIRMATION #	2018	FILED BY	Prince Samuel
PATENT CENTER #	65363165	FILING DATE	02/15/2012
CUSTOMER #	89107	FIRST NAMED INVENTOR	Leonardo ALDANA
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Richard Botos

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
13397486__POA.pdf	3	Power of Attorney	753 KB
13397486__373b.pdf	3	Assignee showing of ownership per 37 CFR 3.73	1181 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
13397486__POA.pdf	348B678C1995FECB6932861DFA16D1AF5E854D1FA8FD2AEA8 9F5A0471CC99A592932D004DC4F5CE55C2D1F7DF53E0C23C 609A68096C31E56F93878DD7DAC9B60

13397486__373b.pdf

E6225470420D6790035A12C198239D98056F9B6C7E1DAD67B6
84169497E3DA9A242734BFAE57D1BF72DB30B7A91F628780D
0464FCB44DABE6846B34CEA3F9671

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 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(b)

Applicant/Patent Owner: MALIKIE INNOVATIONS LIMITED

Application No./Patent No.: 13397486

Filed/Issue Date: 02/15/2012

Titled: DOCK FOR A PORTABLE ELECTRONIC DEVICE

MALIKIE INNOVATIONS LIMITED

, a Corporation

(Name of Assignee)

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

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

- 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 a copy* is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: ALDANA, LEONARDO, MA, MING-LUN DAVE, WENNER, DIETMAR FRANK, SIMOES, FELIPE OLIVEIRA To: RESEARCH IN MOTION LIMITED

The document was recorded in the United States Patent and Trademark Office at
Reel 028456, Frame 0127, or a copy* is attached.

2. From: RESEARCH IN MOTION LIMITED To: BLACKBERRY LIMITED

The document was recorded in the United States Patent and Trademark Office at
Reel 031122, Frame 0342, or a copy* is attached.

3. From: BLACKBERRY LIMITED To: OT PATENT ESCROW, LLC

The document was recorded in the United States Patent and Trademark Office at
Reel 063471, Frame 0474, or a copy* is attached.

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

☒ *As required by 37 CFR 3.73(b)(1)(i), if a copy/copies is/are attached, 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.]

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

/Richard J. Botos/

Signature

2024-05-03

Date

Richard J. Botos

Printed or Typed Name

32,016

Title or Registration Number

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.

SUPPLEMENTAL SHEET

STATEMENT UNDER 37 CFR 3.73(b)

4. From: BLACKBERRY LIMITED To: OT PATENT ESCROW, LLC

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

Reel 064806, Frame 0669, or for which a copy thereof is attached.

5. From: BLACKBERRY LIMITED To: MALIKIE INNOVATIONS LIMITED

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

Reel 064066, Frame 0001, or for which a copy thereof is attached.

6. From: OT PATENT ESCROW, LLC To: MALIKIE INNOVATIONS LIMITED

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

Reel 064807, Frame 0001, or for which a copy thereof is attached.

7. From: OT PATENT ESCROW, LLC To: MALIKIE INNOVATIONS LIMITED

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

Reel 064015, Frame 0001, or for which a copy thereof is attached.



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.

/Richard J. Botos/

Signature

2024-05-03

Date

Richard J. Botos

Printed or Typed Name

32.016

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.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 8,545,247 B2
APPLICATION NO. : 13/397486
DATED : October 1, 2013
INVENTOR(S) : Leonardo Aldana et al.

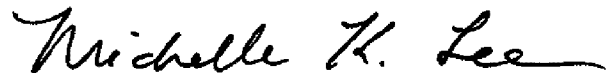
Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims:

Column 11, line 8, claim 18, delete "claim 15" and insert therefor -- claim 17 --

Signed and Sealed this
Twelfth Day of August, 2014

A handwritten signature in black ink, reading "Michelle K. Lee". The signature is fluid and cursive, with the first letters of each name being capitalized and prominent.

Michelle K. Lee
Deputy Director of the United States Patent and Trademark Office

SPE RESPONSE FOR CERTIFICATE OF CORRECTION

Paper No.:1407

DATE : July 14, 2014

TO SPE OF : ART UNIT 2833

SUBJECT : Request for Certificate of Correction on Patent No.: 8545247

A response is requested with respect to the accompanying request for a certificate of correction.

Please complete this form and return with file, within **7** days to:

Certificates of Correction Branch - ST (South Tower) 9A22

Palm location **7590** - Tel. No. (703) 305-8309

With respect to the change(s) requested, correcting Office and/or Applicant's errors, should the patent read as shown in the certificate of correction? No new matter should be introduced, nor should the scope or meaning of the claims be changed.

Thank You For Your Assistance

Certificates of Correction Branch

The request for issuing the above-identified correction(s) is hereby:

Note your decision on the appropriated box.

☐ **Approved**

All changes apply.

☒ **Approved in Part**

Specify below which changes **do not** apply.

☐ **Denied**

State the reasons for denial below.

Comments:

The change to claim 4 (col. 9) was previously approved/made.

The change to claim 18 (col. 11) is now approved.

/renee s luebke/
Renee Luebke - SPE - AU 2833

SPE RESPONSE FOR CERTIFICATE OF CORRECTION

DATE : 07/12/14

TO SPE OF : ART UNIT: 2833 Examiner: GUSHI, ROSS
SUBJECT : Request for Certificate of Correction for Appl. No.: 13397486 Patent No.: 8545247

CofC mailroom date: 05/22/14

Please respond to this request for a certificate of correction within 7 days.

FOR IFW FILES:

Please review the requested changes/corrections as shown in the **COCIN** document(s) in the IFW application image. No new matter should be introduced, nor should the scope or meaning of the claims be changed.

Please complete the response (see below) and forward the completed response to scanning using document code **COCX**.

FOR PAPER FILES:

Please review the requested changes/corrections as shown in the attached certificate of correction. Please complete this form (see below) and forward it with the file to:

**Certificates of Correction Branch (CofC)
Randolph Square – 9D10-A
Palm Location 7580**

You can fax the Directors/SPE response to 571-273-3421

Note: **Should the changes to claim 18 be approved?**

Lamonte Newsome

Certificates of Correction Branch

571-272-3421

Thank You For Your Assistance

The request for issuing the above-identified correction(s) is hereby:

Note your decision on the appropriate box.

SPE RESPONSE FOR CERTIFICATE OF CORRECTION

☐ **Approved**

All changes apply.

☐ **Approved in Part**

Specify below which changes **do not** apply.

☐ **Denied**

State the reasons for denial below.

Comments: _____

SPE

Art Unit

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 8,545,247 B2
APPLICATION NO. : 13/397486
DATED : October 1, 2013
INVENTOR(S) : Leonardo Aldana et al.

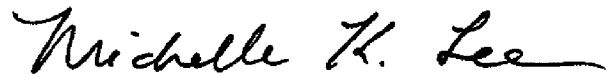
Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims:

Column 9, line 54, claim 4, delete "claim 2" and insert therefor -- claim 3 --.

Signed and Sealed this
Third Day of June, 2014

A handwritten signature in black ink, reading "Michelle K. Lee". The signature is written in a cursive, flowing style.

Michelle K. Lee
Deputy Director of the United States Patent and Trademark Office

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ALDANA, Leonardo; MA, Ming-Lun Dave; WENNEMER, Dietmar
Frank; SIMOES, Felipe Oliveira
Patent No.: 8,545,247
Filed: February 15, 2012
Title: DOCK FOR A PORTABLE ELECTRONIC DEVICE
Group: 2833
Examiner: GUSHI, ROSS N
Attorney Ref.: PAT 101419-2

May 22, 2014

REQUEST FOR CERTIFICATE OF CORRECTION

In response to the USPTO Communication dated May 9, 2014, on behalf of the patentee, we hereby request that a Certificate of Correction be issued pursuant to 37 C.F.R. 1.322, to correct the errors as shown in the form PTO/SB/44 submitted herewith.

The error was introduced by the Applicant; therefore, **the Commissioner is hereby authorized to debit \$100.00 from Deposit Account No. 501593, in the name of Borden Ladner Gervais LLP.**

The Commissioner is hereby authorized to charge any additional fees, and credit any over payments to Deposit Account No. 501593, in the name of Borden Ladner Gervais LLP.

Respectfully submitted,

ALDANA, Leonardo, et al.

By: /Lesley M. Morrison/

Lesley M. Morrison

Reg. No. 50217

Borden Ladner Gervais LLP

1200 Waterfront Centre

200 Burrard Street, P.O. Box 48600

Vancouver, BC V7X 1T2 CANADA

Tel: 604.632.3542

Fax: 778.329.0752

E-mail: ipmailvancouver@blg.com

LMM/AF/AF

Encl.

1. Certificate of Correction (Form PTO/SB/44)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 8,545,247

APPLICATION NO.: 13/397,486

ISSUE DATE : October 1, 2013

INVENTOR(S) : Leonardo ALDANA et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 9, line 54, claim 4, delete "claim 2" and insert therefor -- claim 3 --;

Column 11, line 8, claim 18, delete "claim 15" and insert therefor -- claim 17 --

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Borden Ladner Gervais LLP
1200 Waterfront Centre, 200 Burrard Street, P.O. Box 48600, Vancouver, British Columbia, Canada V7X 1T2

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. 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 1.0 hour 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: Attention Certificate of Corrections Branch, 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.

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:	19109256
Application Number:	13397486
International Application Number:	
Confirmation Number:	2018
Title of Invention:	DOCK FOR A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Leonardo ALDANA
Customer Number:	89107
Filer:	Lesley Meredith Morrison/Anett Fabian
Filer Authorized By:	Lesley Meredith Morrison
Attorney Docket Number:	PAT 101419-2
Receipt Date:	22-MAY-2014
Filing Date:	15-FEB-2012
Time Stamp:	18:37:15
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$100
RAM confirmation Number	4869
Deposit Account	501593
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	41945_US_PAT_2014_05_22_S UB_Certificate_of_Correction_F orm.pdf	155392 539119c4ee5ab3aeee3c222b4b1725ebd2a b5993	no	2

Warnings:

Information:

2	Request for Certificate of Correction	41945_US_PAT_2014_05_22_S UB_Certificate_of_Correction_ Request.pdf	73010 bc9b6b093ccd169436375599e591542023 d3f5b4	no	1
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Warnings:

Information:

3	Fee Worksheet (SB06)	fee-info.pdf	29856 e6b353d6839f90f5ff2f3d88fc2c3d51f082 76	no	2
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Warnings:

Information:

Total Files Size (in bytes):			258258		
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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.

Electronic Patent Application Fee Transmittal				
Application Number:		13397486		
Filing Date:		15-Feb-2012		
Title of Invention:		DOCK FOR A PORTABLE ELECTRONIC DEVICE		
First Named Inventor/Applicant Name:		Leonardo ALDANA		
Filer:		Lesley Meredith Morrison/Anett Fabian		
Attorney Docket Number:		PAT 101419-2		
Filed as Large 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:				
Certificate of Correction	1811	1	100	100
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				100

SPE RESPONSE FOR CERTIFICATE OF CORRECTION

Paper No.:1405

DATE : May 09, 2014

TO SPE OF : ART UNIT 2833

SUBJECT : Request for Certificate of Correction on Patent No.: 8545247

A response is requested with respect to the accompanying request for a certificate of correction.

Please complete this form and return with file, within **7** days to:

Certificates of Correction Branch - ST (South Tower) 9A22

Palm location **7590** - Tel. No. (703) 305-8309

With respect to the change(s) requested, correcting Office and/or Applicant's errors, should the patent read as shown in the certificate of correction? No new matter should be introduced, nor should the scope or meaning of the claims be changed.

Thank You For Your Assistance

Certificates of Correction Branch

The request for issuing the above-identified correction(s) is hereby:

Note your decision on the appropriated box.

☐ **Approved**

All changes apply.

☒ **Approved in Part**Specify below which changes **do not** apply.☐ **Denied**

State the reasons for denial below.

Comments:

The change to claim 4 (col. 9) is approved.

The change to claim 18 (col. 11) is denied. The requested change would leave "the passage" without antecedent basis.

/renee s luebke/
Renee Luebke - SPE - AU 2833



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Date Mailed : 05/09/14

Patent No. : 8545247 B2
Patent Issued : October 1, 2013
Docket No. : PAT 101419-2

Re: Request for Certificate of Correction

Consideration has been given your request for the issuance of a certificate of correction for the above-identified patent under the provisions of Rule(s) 1.322.

Respecting the alleged error(s), in column 11, line 8; the requested change would leave "the passage" without antecedent basis. **"Therefore, no correction(s) is in order here under United States Codes (U.S.C.) 254 and the Code of Federal Regulation (C.F.R.) 1322."**

In view of the foregoing, your request in this matter is hereby denied.

Lamonte M. Newsome
Certificates of Correction Branch
Deliverable Inspection Division
Office of Data Management
(571) 272-3421

Borden Ladner Gervais LLP
1200 Waterfront Centre
200 Burrard Street, P.O. Box 48600
Vancouver BC V7X 1T2 CA CANADA

LMN

SPE RESPONSE FOR CERTIFICATE OF CORRECTION

DATE : 05/09/14

TO SPE OF : ART UNIT: 2833 Examiner: GUSHI, ROSS
SUBJECT : Request for Certificate of Correction for Appl. No.: 13397486 Patent No.: 8545247

CofC mailroom date: 03/24/14

Please respond to this request for a certificate of correction within 7 days.

FOR IFW FILES:

Please review the requested changes/corrections as shown in the **COCIN** document(s) in the IFW application image. No new matter should be introduced, nor should the scope or meaning of the claims be changed.

Please complete the response (see below) and forward the completed response to scanning using document code **COCX**.

FOR PAPER FILES:

Please review the requested changes/corrections as shown in the attached certificate of correction. Please complete this form (see below) and forward it with the file to:

**Certificates of Correction Branch (CofC)
Randolph Square – 9D10-A
Palm Location 7580**

Note: **Should the changes in the claims be approved?**

Lamonte Newsome

**Certificates of Correction Branch
571-272-3421**

Thank You For Your Assistance

The request for issuing the above-identified correction(s) is hereby:

Note your decision on the appropriate box.

SPE RESPONSE FOR CERTIFICATE OF CORRECTION

☐ **Approved**

All changes apply.

☐ **Approved in Part**

Specify below which changes **do not** apply.

☐ **Denied**

State the reasons for denial below.

Comments: _____

SPE

Art Unit

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ALDANA, Leonardo; MA, Ming-Lun Dave; WENNEMER, Dietmar
Frank; SIMOES, Felipe Oliveira
Patent No.: 8,545,247
Filed: February 15, 2012
Title: DOCK FOR A PORTABLE ELECTRONIC DEVICE
Group: 2833
Examiner: GUSHI, ROSS N
Attorney Ref.: PAT 101419-2

March 24, 2014

REQUEST FOR CERTIFICATE OF CORRECTION

On behalf of the patentee, we hereby request that a Certificate of Correction be issued pursuant to 37 C.F.R. 1.322, to correct the errors as shown in the form PTO/SB/44 submitted herewith.

The error was introduced by the Applicant; therefore, **the Commissioner is hereby authorized to debit \$100.00 from Deposit Account No. 501593, in the name of Borden Ladner Gervais LLP.**

The Commissioner is hereby authorized to charge any additional fees, and credit any over payments to Deposit Account No. 501593, in the name of Borden Ladner Gervais LLP.

Respectfully submitted,

ALDANA, Leonardo, et al.

By: /Lesley M. Morrison/

Lesley M. Morrison

Reg. No. 50217

Borden Ladner Gervais LLP

1200 Waterfront Centre

200 Burrard Street, P.O. Box 48600

Vancouver, BC V7X 1T2 CANADA

Tel: 604.632.3542

Fax: 778.329.0752

E-mail: ipmailvancouver@blg.com

LMM/AF/AF

Encl.

1. Certificate of Correction (Form PTO/SB/44)

Electronic Acknowledgement Receipt

EFS ID:	18568402
Application Number:	13397486
International Application Number:	
Confirmation Number:	2018
Title of Invention:	DOCK FOR A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Leonardo ALDANA
Customer Number:	89107
Filer:	Lesley Meredith Morrison/Anett Fabian
Filer Authorized By:	Lesley Meredith Morrison
Attorney Docket Number:	PAT 101419-2
Receipt Date:	24-MAR-2014
Filing Date:	15-FEB-2012
Time Stamp:	18:29:02
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$100
RAM confirmation Number	5954
Deposit Account	501593
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	41945_US_PAT_2014_03_24_S UB_Certificate_of_Correction_ Request.pdf	72931 d7db4efbb2a50e3007fc935b8a8ce17d1125f5707	no	1

Warnings:

Information:

2	Request for Certificate of Correction	41945_US_PAT_2014_03_24_S UB_Certificate_of_Correction_F orm_SB44.pdf	164481 0fcf997e6eada73cd627f90c81939477a4c9cabe	no	2
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Warnings:

Information:

3	Fee Worksheet (SB06)	fee-info.pdf	29855 41081a0ec5497b79c54dd512dd91238a9d194e61	no	2
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Warnings:

Information:

Total Files Size (in bytes):			267267		
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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

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New International Application Filed with the USPTO as a Receiving Office

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 8,545,247

APPLICATION NO.: 13/397,486

ISSUE DATE : October 1, 2013

INVENTOR(S) : Leonardo ALDANA et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 9, line 54, claim 4, delete "claim 2" and insert therefor -- claim 3 --;

Column 11, line 8, claim 18, delete "claim 15" and insert therefor -- claim 16 --

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Borden Ladner Gervais LLP
1200 Waterfront Centre, 200 Burrard Street, P.O. Box 48600, Vancouver, British Columbia, Canada V7X 1T2

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. 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 1.0 hour 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: Attention Certificate of Corrections Branch, 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.

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.

Electronic Patent Application Fee Transmittal				
Application Number:		13397486		
Filing Date:		15-Feb-2012		
Title of Invention:		DOCK FOR A PORTABLE ELECTRONIC DEVICE		
First Named Inventor/Applicant Name:		Leonardo ALDANA		
Filer:		Lesley Meredith Morrison/Anett Fabian		
Attorney Docket Number:		PAT 101419-2		
Filed as Large 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:				
Certificate of Correction	1811	1	100	100
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				100



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.
13/397,486	10/01/2013	8545247	PAT 101419-2	2018

89107 7590 09/11/2013
Borden Ladner Gervais LLP
1200 Waterfront Centre
200 Burrard Street, P.O. Box 48600
Vancouver, BC V7X 1T2
CANADA

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):

Leonardo ALDANA, Waterloo, CANADA;
Ming-Lun Dave MA, Kitchener, CANADA;
Dietmar Frank WENNEMER, Waterloo, CANADA;
Felipe Oliveira SIMOES, Kitchener, CANADA;

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.

Receipt date: 02/15/2012

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

13397486 - GAIL-2833

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		2012-02-15
	First Named Inventor	ALDANA, Leonardo	
	Art Unit		
	Examiner Name		
	Attorney Docket Number		PAT 101419-2

Change(s) applied

to document,

/LAS/

6/18/2013 U.S. PATENTS Remove						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7901216	B2	2011-03-08	Rohrbach et al. ~~Apple Inc.~~	
	2	7775801	B2	2010-08-17	Shiff et al. ~~Microsoft Corporation~~	
	3	7498546	B2	2009-03-03	Belongia et al. ~~Focus Products Group, LLC~~	
	4	7916467	B2	2011-03-29	Hotelling et al. ~~Apple Inc.~~	
	5	7839120	B2	2010-11-23	Rodarte ~~International Business Machines Corporation~~	
If you wish to add additional U.S. Patent citation information please click the Add button.						Add
U.S. PATENT APPLICATION PUBLICATIONS Remove						
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20110098087	A1	2011-04-28	Tseng ~~Google Inc.~~	
If you wish to add additional U.S. Published Application citation information please click the Add button.						Add
FOREIGN PATENT DOCUMENTS Remove						

Electronic Acknowledgement Receipt	
EFS ID:	16726150
Application Number:	13397486
International Application Number:	
Confirmation Number:	2018
Title of Invention:	DOCK FOR A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Leonardo ALDANA
Customer Number:	89107
Filer:	Lesley Meredith Morrison/Anett Fabian
Filer Authorized By:	Lesley Meredith Morrison
Attorney Docket Number:	PAT 101419-2
Receipt Date:	29-AUG-2013
Filing Date:	15-FEB-2012
Time Stamp:	17:44:05
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$2080
RAM confirmation Number	5025
Deposit Account	501593
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	PAT_101419_2_Completed_Issue_Fee_Form_PTOL_85.pdf	101063 5736c5526ec7e39f4afcf4a7e4fc9deb76125128	no	2

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	31793 dfea37fef941d7b0218926ba73d6f8305135ad30	no	2
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Warnings:

Information:

Total Files Size (in bytes):	132856
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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.

Electronic Patent Application Fee Transmittal				
Application Number:		13397486		
Filing Date:		15-Feb-2012		
Title of Invention:		DOCK FOR A PORTABLE ELECTRONIC DEVICE		
First Named Inventor/Applicant Name:		Leonardo ALDANA		
Filer:		Lesley Meredith Morrison/Anett Fabian		
Attorney Docket Number:		PAT 101419-2		
Filed as Large 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	1501	1	1780	1780
Publ. Fee- Early, Voluntary, or Normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				2080

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)

89107 7590 05/29/2013
Borden Ladner Gervais LLP
1200 Waterfront Centre
200 Burrard Street, P.O. Box 48600
Vancouver, BC V7X 1T2
CANADA

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.
13/397,486	02/15/2012	Leonardo ALDANA	PAT 101419-2	2018

TITLE OF INVENTION: DOCK FOR A PORTABLE ELECTRONIC DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1780	\$300	\$0	\$2080	08/29/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
GUSHI, ROSS N	2833	439-248000

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 Lesley M. Morrison

2 Borden Ladner Gervais LLP

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

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

BLACKBERRY LIMITED

Waterloo, CANADA

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. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 501593 (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.

NOTE: Absent a valid certification of Micro Entity Status (see form 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: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature /Lesley M. Morrison/
Typed or printed name Lesley M. Morrison

Date August 29, 2013
Registration No. 50217

This collection of information 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.

Receipt date: 08/08/2013

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

13397486 - GALL: 2833

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13397486	
	Filing Date		2012-02-15	
	First Named Inventor	ALDANA, Leonardo		
	Art Unit	2833		
	Examiner Name			
	Attorney Docket Number	PAT 101419-2		

U.S. PATENTS							Remove	
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
	1	8449336	B1	2013-05-28	COLAHAN et al.			
If you wish to add additional U.S. Patent citation information please click the Add button.							Add	
U.S. PATENT APPLICATION PUBLICATIONS							Remove	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
	1							
If you wish to add additional U.S. Published Application citation information please click the Add button.							Add	
FOREIGN PATENT DOCUMENTS							Remove	
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							☐
If you wish to add additional Foreign Patent Document citation information please click the Add button								Add
NON-PATENT LITERATURE DOCUMENTS							Remove	
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.						T ⁵

Receipt date: 08/08/2013 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13397486	13397486 - GAU: 2833
	Filing Date		2012-02-15	
	First Named Inventor	ALDANA, Leonardo		
	Art Unit	2833		
	Examiner Name			
	Attorney Docket Number	PAT 101419-2		

1			☐
If you wish to add additional non-patent literature document citation information please click the Add button Add			
EXAMINER SIGNATURE			
Examiner Signature	/Ross Gushi/	Date Considered	08/15/2013
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			
¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.			

Receipt date: 08/08/2013 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13397486 13397486 - GAU: 2833
	Filing Date		2012-02-15
	First Named Inventor	ALDANA, Leonardo	
	Art Unit	2833	
	Examiner Name		
	Attorney Docket Number	PAT 101419-2	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the 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 the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☒ That no item of information contained in the 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 the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Lesley M. Morrison/	Date (YYYY-MM-DD)	2013-08-08
Name/Print	Lesley M. Morrison	Registration Number	50217

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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.**

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 the Freedom of Information Act requires disclosure of these records.
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 inspections 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.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RG



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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/397,486	02/15/2012	Leonardo ALDANA	PAT 101419-2	2018

89107	7590	08/20/2013
Borden Ladner Gervais LLP 1200 Waterfront Centre 200 Burrard Street, P.O. Box 48600 Vancouver, BC V7X 1T2 CANADA		

EXAMINER	
GUSHI, ROSS N	

ART UNIT	PAPER NUMBER
2833	

NOTIFICATION DATE	DELIVERY MODE
08/20/2013	ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

IPMailVancouver@blg.com
portfolioprossecution@blackberry.com

Supplemental Notice of Allowability	Application No. 13/397,486	Applicant(s) ALDANA ET AL.	
	Examiner ROSS GUSHI	Art Unit 2833	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 IDS 8/8/13.
☐ 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 1-3, 5-20. 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: _____.

Interim copies:

a) ☐ All b) ☐ Some c) ☐ None of the: Interim copies of the priority documents have been 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. ☐ Notice of References Cited (PTO-892)	5. ☐ Examiner's Amendment/Comment
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>8/8/13</u>	6. ☐ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	7. ☐ Other _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.	

/Ross N. Gushi/ Primary Examiner, Art Unit 2833	
--	--

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13397486	
	Filing Date		2012-02-15	
	First Named Inventor	ALDANA, Leonardo		
	Art Unit	2833		
	Examiner Name			
	Attorney Docket Number	PAT 101419-2		

U.S. PATENTS							Remove	
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
	1	8449336	B1	2013-05-28	COLAHAN et al.			
If you wish to add additional U.S. Patent citation information please click the Add button.							Add	
U.S. PATENT APPLICATION PUBLICATIONS							Remove	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
	1							
If you wish to add additional U.S. Published Application citation information please click the Add button.							Add	
FOREIGN PATENT DOCUMENTS							Remove	
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							☐
If you wish to add additional Foreign Patent Document citation information please click the Add button							Add	
NON-PATENT LITERATURE DOCUMENTS							Remove	
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.						T ⁵

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13397486
Filing Date	2012-02-15
First Named Inventor	ALDANA, Leonardo
Art Unit	2833
Examiner Name	
Attorney Docket Number	PAT 101419-2

1		☐
---	--	--------------------------

If you wish to add additional non-patent literature document citation information please click the Add button **Add**

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13397486
Filing Date	2012-02-15
First Named Inventor	ALDANA, Leonardo
Art Unit	2833
Examiner Name	
Attorney Docket Number	PAT 101419-2

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the 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 the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☒ That no item of information contained in the 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 the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Lesley M. Morrison/	Date (YYYY-MM-DD)	2013-08-08
Name/Print	Lesley M. Morrison	Registration Number	50217

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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.**

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 the Freedom of Information Act requires disclosure of these records.
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 inspections 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 Patent Application Fee Transmittal				
Application Number:		13397486		
Filing Date:		15-Feb-2012		
Title of Invention:		DOCK FOR A PORTABLE ELECTRONIC DEVICE		
First Named Inventor/Applicant Name:		Leonardo ALDANA		
Filer:		Lesley Meredith Morrison/Anett Fabian		
Attorney Docket Number:		PAT 101419-2		
Filed as Large 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:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Electronic Acknowledgement Receipt

EFS ID:	16542778
Application Number:	13397486
International Application Number:	
Confirmation Number:	2018
Title of Invention:	DOCK FOR A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Leonardo ALDANA
Customer Number:	89107
Filer:	Lesley Meredith Morrison/Anett Fabian
Filer Authorized By:	Lesley Meredith Morrison
Attorney Docket Number:	PAT 101419-2
Receipt Date:	08-AUG-2013
Filing Date:	15-FEB-2012
Time Stamp:	18:33:40
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	5640
Deposit Account	501593
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	PAT_101419_2_IDS.pdf	630806	no	4
			14b6947412e45724bd3bad8b6ed3e89318d41d4a		

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30271	no	2
			553c7095ca7a275584176ae7f8e4bb9926fc863		

Warnings:

Information:

Total Files Size (in bytes):			661077
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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.



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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/397,486	02/15/2012	Leonardo ALDANA	PAT 101419-2	2018
7590 08/07/2013 Borden Ladner Gervais LLP 1200 Waterfront Centre 200 Burrard Street, P.O. Box 48600 Vancouver, BC V7X 1T2 CANADA			EXAMINER GUSHI, ROSS N	
			ART UNIT 2833	PAPER NUMBER
			NOTIFICATION DATE 08/07/2013	DELIVERY MODE ELECTRONIC

NOTICE OF NON-COMPLIANT INFORMATION DISCLOSURE STATEMENT

An Information Disclosure Statement (IDS) filed 07-02-13 in the above-identified application fails to meet the requirements of 37 CFR 1.97(d) for the reason(s) specified below. Accordingly, the IDS will be placed in the file, but the information referred to therein has not been considered.

The IDS is not compliant with 37 CFR 1.97(d) because:

- ☒ The IDS lacks a statement as specified in 37 CFR 1.97(e).
- ☐ The IDS lacks the fee set forth in 37 CFR 1.17(p).
- ☐ The IDS was filed after the issue fee was paid. Applicant may wish to consider filing a petition to withdraw the application from issue under 37 CFR 1.313(c) to have the IDS considered. See MPEP 1308.

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

Electronic Acknowledgement Receipt	
EFS ID:	16216490
Application Number:	13397486
International Application Number:	
Confirmation Number:	2018
Title of Invention:	DOCK FOR A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Leonardo ALDANA
Customer Number:	89107
Filer:	Lesley Meredith Morrison/Anett Fabian
Filer Authorized By:	Lesley Meredith Morrison
Attorney Docket Number:	PAT 101419-2
Receipt Date:	02-JUL-2013
Filing Date:	15-FEB-2012
Time Stamp:	13:43:41
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	12337
Deposit Account	501593
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	PAT_101419_2_IDS.pdf	630769 ad9bcdcd0d914522290fc93f7041254777ce8bbee	no	4

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30271 1ea2b163b6d283cfba075d13aa89882779fa1bd0	no	2
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Warnings:

Information:

Total Files Size (in bytes):			661040
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New Applications Under 35 U.S.C. 111

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13397486	
	Filing Date		2012-02-15	
	First Named Inventor	ALDANA, Leonardo		
	Art Unit	2833		
	Examiner Name			
	Attorney Docket Number	PAT 101419-2		

U.S. PATENTS							Remove	
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
	1	8449336	B1	2013-05-28	COLAHAN et al.			
If you wish to add additional U.S. Patent citation information please click the Add button.							Add	
U.S. PATENT APPLICATION PUBLICATIONS							Remove	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
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If you wish to add additional U.S. Published Application citation information please click the Add button.							Add	
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
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If you wish to add additional Foreign Patent Document citation information please click the Add button							Add	
NON-PATENT LITERATURE DOCUMENTS							Remove	
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.						T ⁵

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13397486
Filing Date	2012-02-15
First Named Inventor	ALDANA, Leonardo
Art Unit	2833
Examiner Name	
Attorney Docket Number	PAT 101419-2

1		☐
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If you wish to add additional non-patent literature document citation information please click the Add button **Add**

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13397486
Filing Date	2012-02-15
First Named Inventor	ALDANA, Leonardo
Art Unit	2833
Examiner Name	
Attorney Docket Number	PAT 101419-2

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

- ☐ That each item of information contained in the 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 the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

- ☐ That no item of information contained in the 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 the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Lesley M. Morrison/	Date (YYYY-MM-DD)	2013-07-02
Name/Print	Lesley M. Morrison	Registration Number	50217

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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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Electronic Patent Application Fee Transmittal				
Application Number:		13397486		
Filing Date:		15-Feb-2012		
Title of Invention:		DOCK FOR A PORTABLE ELECTRONIC DEVICE		
First Named Inventor/Applicant Name:		Leonardo ALDANA		
Filer:		Lesley Meredith Morrison/Anett Fabian		
Attorney Docket Number:		PAT 101419-2		
Filed as Large 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:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Issue Classification 	Application/Control No. 13397486	Applicant(s)/Patent Under Reexamination ALDANA ET AL.
	Examiner ROSS GUSHI	Art Unit 2833

CPC		
Symbol	Type	Version

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION														
CLASS		SUBCLASS				CLAIMED					NON-CLAIMED									
439		248				H	0	1	R	13 / 64 (2006.01.01)										
CROSS REFERENCE(S)																				
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																			
439	929																			

NONE		Total Claims Allowed:	
		19	
(Assistant Examiner)	(Date)		
/ROSS GUSHI/ Primary Examiner.Art Unit 2833	5/22/13	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	10, 7

Issue Classification 	Application/Control No. 13397486	Applicant(s)/Patent Under Reexamination ALDANA ET AL.	
	Examiner ROSS GUSHI	Art Unit 2833	

NONE		Total Claims Allowed:	
		19	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/ROSS GUSHI/ Primary Examiner.Art Unit 2833	5/22/13	1	10, 7
(Primary Examiner)	(Date)		

Issue Classification 	Application/Control No. 13397486	Applicant(s)/Patent Under Reexamination ALDANA ET AL.
	Examiner ROSS GUSHI	Art Unit 2833

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	17	17												
2	2	14	18												
3	3	18	19												
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8	11														
9	12														
10	13														
11	14														
15	15														
16	16														

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 19	
/ROSS GUSHI/ Primary Examiner.Art Unit 2833 (Primary Examiner) _____ (Date) _____		O.G. Print Claim(s) 1	O.G. Print Figure 10, 7



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 United States Patent and Trademark Office
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 Alexandria, Virginia 22313-1450
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BIB DATA SHEET

CONFIRMATION NO. 2018

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
13/397,486	02/15/2012	439	2833	PAT 101419-2		
RULE						
APPLICANTS Leonardo ALDANA, Waterloo, CANADA; Ming-Lun Dave MA, Kitchener, CANADA; Dietmar Frank WENNEMER, Waterloo, CANADA; Felipe Oliveira SIMOES, Kitchener, CANADA; ** CONTINUING DATA ***** This appln claims benefit of 61/503,451 06/30/2011 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 02/29/2012						
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and /ROSS N GUSHI/ Acknowledged Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY CANADA	SHEETS DRAWINGS 16	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 2
ADDRESS Borden Ladner Gervais LLP 1200 Waterfront Centre 200 Burrard Street, P.O. Box 48600 Vancouver, BC V7X 1T2 CANADA						
TITLE DOCK FOR A PORTABLE ELECTRONIC DEVICE						
FILING FEE RECEIVED 2220	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit		

Notice of References Cited	Application/Control No. 13/397,486		Applicant(s)/Patent Under Reexamination ALDANA ET AL.	
	Examiner ROSS GUSHI		Art Unit 2833	Page 1 of 5

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-4,940,417 A	07-1990	Hyogo et al.	439/248
*	B	US-5,513,995 A	05-1996	Kurotori et al.	439/64
*	C	US-6,193,546 B1	02-2001	Sadler, John Thomas	439/534
*	D	US-6,290,534 B1	09-2001	Sadler, John Thomas	439/534
*	E	US-2002/0048982 A1	04-2002	Gu et al.	439/247
*	F	US-6,390,841 B1	05-2002	Zaguskin, Alex	439/248
*	G	US-6,483,698 B1	11-2002	Loh, Philip Kwok Nan	361/679.41
*	H	US-6,527,572 B2	03-2003	Jou, Chang Jen	439/248
*	I	US-6,595,786 B2	07-2003	Horiuchi et al.	439/74
*	J	US-6,716,058 B2	04-2004	Youn, Jae-Sam	439/535
*	K	US-2006/0035500 A1	02-2006	Sugita et al.	439/247
*	L	US-7,014,486 B1	03-2006	Wu et al.	439/248
*	M	US-2006/0105603 A1	05-2006	Nishio et al.	439/247

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
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	P					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*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. 13/397,486		Applicant(s)/Patent Under Reexamination ALDANA ET AL.	
	Examiner ROSS GUSHI		Art Unit 2833	Page 2 of 5

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2006/0141836 A1	06-2006	Van Der Mee et al.	439/247
*	B	US-7,066,752 B2	06-2006	Hsu et al.	439/248
*	C	US-7,090,521 B2	08-2006	Nishio et al.	439/248
*	D	US-7,121,857 B1	10-2006	Lewis, Jeffrey M.	439/247
*	E	US-2006/0250764 A1	11-2006	Howarth et al.	361/683
*	F	US-7,167,372 B2	01-2007	Mori et al.	361/731
*	G	US-7,201,594 B2	04-2007	van der Mee et al.	439/247
*	H	US-2007/0082537 A1	04-2007	Chien et al.	439/377
*	I	US-7,311,541 B2	12-2007	Chien et al.	439/246
*	J	US-2008/0057764 A1	03-2008	Kuo, Peter	439/248
*	K	US-2008/0142651 A1	06-2008	Tomasini et al.	248/176.1
*	L	US-2008/0259550 A1	10-2008	Lien, Jerry	361/683
*	M	US-2008/0304240 A1	12-2008	Shigemori, Toshiaki	361/728

FOREIGN PATENT DOCUMENTS

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Notice of References Cited	Application/Control No. 13/397,486		Applicant(s)/Patent Under Reexamination ALDANA ET AL.	
	Examiner ROSS GUSHI		Art Unit 2833	Page 3 of 5

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-7,467,961 B2	12-2008	Kuo, Peter	439/248
*	B	US-2009/0009957 A1	01-2009	Crooijmans et al.	361/686
*	C	US-2009/0068870 A1	03-2009	Mezhinsky, Victor B.	439/247
*	D	US-7,553,192 B2	06-2009	Kuo et al.	439/638
*	E	US-7,628,628 B2	12-2009	Matsuda et al.	439/248
*	F	US-2010/0062615 A1	03-2010	Prest, Chris	439/38
*	G	US-2010/0158297 A1	06-2010	Stuczynski, Ryan P.	381/332
*	H	US-7,916,467 B2	03-2011	Hotelling et al.	361/679.41
*	I	US-7,931,494 B2	04-2011	Long, Wang Shyun	439/527
*	J	US-2011/0098087 A1	04-2011	Tseng, Erick	455/557
*	K	US-7,933,117 B2	04-2011	Howarth et al.	361/679.41
*	L	US-2011/0117833 A1	05-2011	HONG et al.	455/3.06
*	M	US-8,068,336 B2	11-2011	Crooijmans et al.	361/679.41

FOREIGN PATENT DOCUMENTS

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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 13/397,486		Applicant(s)/Patent Under Reexamination ALDANA ET AL.	
	Examiner ROSS GUSHI		Art Unit 2833	Page 4 of 5

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2011/0281451 A1	11-2011	TANIS et al.	439/248
*	B	US-8,083,195 B2	12-2011	Osada, Yasuo	248/274.1
*	C	US-8,113,849 B2	02-2012	Park, IV, William C.	439/34
*	D	US-8,113,873 B1	02-2012	Sarraf, Mohammad	439/533
*	E	US-2012/0045931 A1	02-2012	Carnevali, Jeffrey D.	439/544
*	F	US-2012/0045932 A1	02-2012	Carnevali, Jeffrey D.	439/552
*	G	US-8,152,561 B2	04-2012	Long, Wang Shyun	439/527
*	H	US-8,223,483 B2	07-2012	Hayashida et al.	361/679.41
*	I	US-2012/0206875 A1	08-2012	Carnevali, Jeffrey D.	361/679.41
*	J	US-8,241,050 B2	08-2012	Xu et al.	439/247
*	K	US-8,323,040 B2	12-2012	Prest, Chris	439/131
*	L	US-2013/0002193 A1	01-2013	ALDANA et al.	320/107
*	M	US-2013/0005179 A1	01-2013	ALDANA et al.	439/529

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 13/397,486		Applicant(s)/Patent Under Reexamination ALDANA ET AL.	
	Examiner ROSS GUSHI		Art Unit 2833	Page 5 of 5

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-8,366,468 B2	02-2013	Carnevali, Jeffrey D.	439/248
*	B	US-8,366,469 B2	02-2013	Carnevali, Jeffrey D.	439/248
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FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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*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.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1458	(439/246-248,949).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/05/22 12:23
L2	1	(dock and housing and support and connector and collar and elastically).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/05/22 12:24
S1	110	(aldana adj leonardo or ma adj ming-lun or wennemer adj dietmar or simoes adj felipe).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 08:36
S2	21	("7498546" "7916467" "20110098087" "7775801" "7901216" "7839120" "20110117833" "7014486").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 08:40
S3	22	("20040203267" "5078615" "6113409" "6193546" "6290534" "6549416" "6716058").PN. OR ("7014486").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:41
S4	29	("20040109722" "20050265569" "20060061958" "20060187629" "20060250764" "20060274910" "20060285710" "20070035917" "20070073952" "20070230723" "20070273327" "20080259550" "20090009957" "20100062615" "20100158297" "5144290" "5290178" "5535093" "5751546" "6108200" "6203363" "6366450" "6683786" "6898080" "6926130" "7014486" "7352567" "7538792" "7580255").PN. OR ("8223483").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:42
S5	1	(11/736684).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 08:44

S6	0	("7066752").PN.).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 08:44
S7	2	("7066752").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 08:44
S8	4	("5764497" "6049192" "6758690").PN. OR ("7066752").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:45
S9	10	("20040097127" "20040141253" "20080142651" "20080304240" "6193546" "7014486" "7167372" "7253840" "7333328" "7414668").PN. OR ("8113873").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:47
S10	39	("4426122" "4611864" "4773032" "5256955" "5354218" "5697808" "5799914" "5888087" "5964601").PN. OR ("6193546").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:53
S11	10	("20060044752" "20060250764" "6193546" "6483698" "6716058" "6961237" "7014486" "7639482" "7719830").PN. OR ("8083195").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:54
S12	8	("20050101182" "20060141856" "6193546" "6290534" "6858921" "7014486" "7581983").PN. OR ("7931494").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:00
S13	4	("20100291789" "4640984" "6858921" "7931494").PN. OR ("8152561").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:01
S14	1239	(439/246-248).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 09:08
S15	975	(439/246-248).OCLS.	US-PGPUB; USPAT	OR	OFF	2013/03/18 09:08
S16	2	(11/897149).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 09:13
S17	10	("6155858" "6322382" "6527572" "6592387" "7090521" "7121857" "7128602" "7201594").PN. OR ("7467961").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:13
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S19	27	("5383790" "5769652" "6588880" "6592388" "6679712" "6786691").PN. OR ("7090521").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:15
S20	12	("20020048982" "20060105603" "20120045931" "20120045932" "20120206875" "4361372" "5397244" "5845885" "6422885" "6527572" "7090521" "7311541").PN. OR ("8366469").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:17
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S22	12	("20020048982" "20060105603" "20120045931" "20120045932" "20120206875" "4361372" "5397244" "5845885" "6422885" "6527572" "7090521" "7311541").PN. OR ("8366469").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:19
S23	13	("2882510" "4780090").PN. OR ("4940417").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:20
S24	23	("3753212" "4343528" "4437717" "4525771" "4717358" "4836789" "4940417" "4940428" "4963098" "5041018" "5125854" "5184961" "5234348").PN. OR ("5513995").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:22
S25	10	("3094364" "3611266" "4580862" "5167520" "5746617" "6344736" "6390841" "7090521").PN. OR ("7628628").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:26
S26	20	("4909748" "4978313" "5197896" "5622511" "5642999" "5746617" "5759047" "5769651" "5876228" "5893768" "6017233" "6033247").PN. OR ("6390841").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:26
S27	975	(439/246-248).OCLS.	US-PGPUB; USPAT	OR	OFF	2013/03/18 09:31
S28	6	("20100102777" "20110134601" "20110175408" "20120030393" "6830469" "7524197").PN. OR ("8241050").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 10:04
S29	224	(439/929).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 10:08
S30	2	("7628628").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 10:44

5/ 22/ 2013 12:25:09 PM

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file:///C:/Users/rgushi/Documents/e-Red%20Folder/13397486/EASTSearchHistory.13397486_AccessibleVersion.htm[5/22/2013 12:25:11 PM]

Search Notes 	Application/Control No. 13397486	Applicant(s)/Patent Under Reexamination ALDANA ET AL.
	Examiner ROSS GUSHI	Art Unit 2833

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
439	246-248, 929	3/18/2013	rng

SEARCH NOTES		
Search Notes	Date	Examiner
inventor search	3/18/2013	rng

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
	see printout	5/22/2013	rng

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NOTICE OF ALLOWANCE AND FEE(S) DUE

89107 7590 05/29/2013
Borden Ladner Gervais LLP
1200 Waterfront Centre
200 Burrard Street, P.O. Box 48600
Vancouver, BC V7X 1T2
CANADA

EXAMINER

GUSHI, ROSS N

ART UNIT

PAPER NUMBER

2833

DATE MAILED: 05/29/2013

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/397,486	02/15/2012	Leonardo ALDANA	PAT 101419-2	2018

TITLE OF INVENTION: DOCK FOR A PORTABLE ELECTRONIC DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1780	\$300	\$0	\$2080	08/29/2013

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

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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)

89107 7590 05/29/2013
Borden Ladner Gervais LLP
1200 Waterfront Centre
200 Burrard Street, P.O. Box 48600
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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.
13/397,486	02/15/2012	Leonardo ALDANA	PAT 101419-2	2018

TITLE OF INVENTION: DOCK FOR A PORTABLE ELECTRONIC DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1780	\$300	\$0	\$2080	08/29/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
GUSHI, ROSS N	2833	439-248000

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, 1 _____
- (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 _____
- 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

(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

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. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (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.

NOTE: Absent a valid certification of Micro Entity Status (see form 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: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/397,486	02/15/2012	Leonardo ALDANA	PAT 101419-2	2018
89107	7590	05/29/2013	EXAMINER	
Borden Ladner Gervais LLP 1200 Waterfront Centre 200 Burrard Street, P.O. Box 48600 Vancouver, BC V7X 1T2 CANADA			GUSHI, ROSS N	
			ART UNIT	PAPER NUMBER
			2833	
DATE MAILED: 05/29/2013				

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

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

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 Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

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.

Notice of Allowability	Application No. 13/397,486	Applicant(s) ALDANA ET AL.	
	Examiner ROSS GUSHI	Art Unit 2833	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 amd 5/14/13.
☐ 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 1-3, 5-20. 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: _____.
Interim copies:
a) ☐ All b) ☐ Some c) ☐ None of the: Interim copies of the priority documents have been 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. ☒ Notice of References Cited (PTO-892) 2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.	5. ☐ Examiner's Amendment/Comment 6. ☐ Examiner's Statement of Reasons for Allowance 7. ☐ Other _____.
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/Ross N. Gushi/ Primary Examiner, Art Unit 2833	
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REMARKS

Claims 1-3 and 5-20 are currently pending in the present application.

The Examiner objected to the drawings for failing to conform to the guidelines as set out in MPEP section 608.02. The Examiner indicates that “cross-hatching of the hard insulative portions (resin, plastic, etc.) of the assembly should be cross-hatched with alternating thick and thin diagonal lines and the cross-hatching of the rubber/elastic insulative portions should be cross-hatched with thick diagonal lines”. Applicants respectfully disagree.

Part V of MPEP section 608.02 reads “Different types of hatching should have different conventional meanings as regards the nature of a material seen in cross section” and Part IX of MPEP section 608.02 reads “...graphic drawing symbols and other labelled representations may be used for conventional elements where appropriate ...”.

Applicants submit that it would not be appropriate to use hatching having conventional meanings in the figures of the present application because none of the conventional meanings adequately represent the material of the components. For example, at paragraph [0041] of the published application, the spring component (406, 1002) is described as “made from a flexible material such as silicone rubber, urethane or cork, for example. A hard plastic having flexible fingers may alternatively be used” and at paragraph [0034] of the published application, the housing (20, 200) is described as being made from “molded plastic, machined metal or wood, for example”. Since the spring component and the housing may be made from more than one material, the use of one type of hatching for these components would be confusing and may unnecessarily limit the scope of protection sought by way of this application.

Withdrawal of the objection to the drawings is respectfully requested.

The Examiner rejected claims 15-20 under 35 U.S.C. §112(b) or 35 U.S.C. §112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

Claim 1 has been amended to include the feature of claim 4, which has been cancelled, and to specify that the connector is pivotable relative to the housing. Claim 15 has been similarly amended and further amended to remove the term "the aperture". Claim 17 has been amended to depend from claim 16 in order to correct a clerical error.

Support for the amendments to claims 1 and 15 may be found in FIG. 4, and paragraph [0041] of the application as filed, for example. No new matter has been introduced.

Applicants submit that amended claim 15 and dependent claims 16, 17, 19 and 20 now comply with 35 U.S.C. 112 (pre-AIA), second paragraph. Withdrawal of the rejection to claims 15-20 is respectfully requested.

The Examiner rejected claims 1, 2, 4, 5, 7, 9, 11, 15, 16, 19, and 20 under 35 U.S.C. §102(b) asserting that the claims are anticipated by U.S. Patent No. 7,628,628 to Matsuda et al. ("Matsuda"). In addition, the Examiner rejected claims 3, 10, 12, 13, 14, and 17 under 35 U.S.C. §103(a) asserting that the claims are unpatentable over Matsuda. These rejections are traversed and reconsideration based on the currently pending claims is respectfully requested.

Amended claim 1 currently recites: "A dock for receiving a portable electronic device, comprising: a housing comprising an aperture; a support coupled to an inner wall of the housing, a portion of the support being elastically deformable; a connector received in the support and extending through the aperture for electrically communicating with the portable electronic device, wiring of the connector for transferring data from the portable electronic device; and a collar abutting the connector within the housing to limit translation of the connector, the connector being pivotable relative to the collar; wherein the portion of the support elastically deforms in response to non-axial movement of at least a portion of the connector".

Matsuda discloses a cradle side connector in which an outer periphery of the connector housing is covered by an elastic material. The cradle side connector is received in a cradle housing so that a pin plug and multipole socket of the cradle side connector protrude upwards.

In the Examiner's attachment to the Office Action dated March 25, 2013, the Examiner asserts that the top portion of the elastic material of Matsuda, which is continuous with the elastic

material, is a collar. Applicants disagree with the Examiner's interpretation, however, submit that even if the portion of the elastic material identified by the Examiner were a collar, Matsuda does not teach or suggest all of the elements of amended claim 1.

In particular, Matsuda does not teach or suggest "a collar abutting the connector within the housing to limit translation of the connector, the connector being pivotable relative to the collar", as required by amended claim 1.

Instead, the collar, as identified by the Examiner, forms part of the cradle side connector of Matsuda and therefore, the collar is not pivotable relative to any part of the cradle side connector. As shown in FIG. 1 of Matsuda, pivoting of the cradle side connector is restricted because the cradle side connector abuts an inside bottom portion (41) and a housing part (36) of the cradle housing.

Applicants submit that amended claim 1 is patentable over Matsuda under 35 U.S.C. §102(b) and 35 U.S. C. §103(a). It follows that claims 2, 3 and 5, 7, and 9-14, which include at least all of the limitations of amended claim 1, are also patentable over Matsuda. Claim 4 has been cancelled, therefore, the Examiner's rejection of this claim is moot. Amended claim 15, which includes similar limitations as amended claim 1, is also patentable over Matsuda for at least the same reasons that amended claim 1 is patentable over Matsuda. It follows that claims 16, 17, 19 and 20, which include at least all of the limitations of amended claim 15, are also patentable over Matsuda.

Withdrawal of the rejections under 35 U.S.C. §102(b) and 35 U.S.C. §103(a) is respectfully requested.

Applicants thank the Examiner for indicating that claims 6, 8 and 18 would be allowable if re-written in independent form. Independent claims 6, 8 and 18 are now pending in the present application.

The Examiner is invited to contact the undersigned by telephone or facsimile if the Examiner believes that such a communication may advance the prosecution of the present application.

The application is now in condition for allowance and Notice of Allowance of claims 1-3 and 5-20 is respectfully requested.

The Commissioner is hereby authorized to charge any additional fees, and credit any over payments to Deposit Account No. 501593, in the name of Borden Ladner Gervais LLP.

Respectfully submitted,

ALDANA, Leonardo et al.

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LMM/af

Electronic Patent Application Fee Transmittal				
Application Number:		13397486		
Filing Date:		15-Feb-2012		
Title of Invention:		DOCK FOR A PORTABLE ELECTRONIC DEVICE		
First Named Inventor/Applicant Name:		Leonardo ALDANA		
Filer:		Lesley Meredith Morrison/Anett Fabian		
Attorney Docket Number:		PAT 101419-2		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Independent claims in excess of 3	1201	2	420	840
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 (\$)				840

Electronic Acknowledgement Receipt

EFS ID:	15775861
Application Number:	13397486
International Application Number:	
Confirmation Number:	2018
Title of Invention:	DOCK FOR A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Leonardo ALDANA
Customer Number:	89107
Filer:	Lesley Meredith Morrison/Anett Fabian
Filer Authorized By:	Lesley Meredith Morrison
Attorney Docket Number:	PAT 101419-2
Receipt Date:	14-MAY-2013
Filing Date:	15-FEB-2012
Time Stamp:	18:50:12
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$840
RAM confirmation Number	5967
Deposit Account	501593
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		PAT_101419_2_Letter_to_USPTO_RESPONSE_TO_1st_non_final_OA.pdf	97300 0dfac8e2f3127f5dc802eac7ebe07a064cc991fd	yes	9
Multipart Description/PDF files in .zip description					
Document Description		Start	End		
Amendment/Req. Reconsideration-After Non-Final Reject		1	1		
Claims		2	5		
Applicant Arguments/Remarks Made in an Amendment		6	9		

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30348 5c342e65f580a3324a6319dfbb07c46f09ef93a4	no	2
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Warnings:

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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.

CLAIMS

1. (Currently Amended) A dock for receiving a portable electronic device, comprising:
a housing comprising an aperture;
a support coupled to an inner wall of the housing, a portion of the support being elastically deformable; ~~and~~
a connector received in the support and extending through the aperture for electrically communicating with the portable electronic device, wiring of the connector for transferring data from the portable electronic device; and
a collar abutting the connector within the housing to limit translation of the connector,
the connector being pivotable relative to the collar;
wherein the portion of the support elastically deforms in response to non-axial movement of at least a portion of the connector.
2. (Original) A dock as claimed in claim 1, wherein the support includes a spring component received in a support tray, the spring component being elastically deformable.
3. (Original) A dock as claimed in claim 2, wherein the spring component comprises a passage for receiving the connector, the passage comprising ribs for contacting the connector.
4. Cancelled.
5. (Currently Amended) A dock as claimed in claim 1, wherein the collar surrounds the connector at a location adjacent the aperture.
6. (Currently Amended) A dock ~~as claimed in claim 3,~~ for receiving a portable electronic device, comprising:
a housing comprising an aperture;
a support coupled to an inner wall of the housing, the support comprising a spring component received in a support tray, the spring component comprising a passage for receiving the connector, the passage comprising ribs for contacting the connector, the spring component being elastically deformable in response to non-axial movement of at least a portion of the connector; and

a connector received in the support and extending through the aperture for electrically communicating with the portable electronic device, wiring of the connector for transferring data from the portable electronic device;

wherein a cross-sectional area of the ribs is reduced between a top end of the spring component and a bottom end of the spring component, the top end being located adjacent the aperture of the housing.

7. (Original) A dock as claimed in claim 2, wherein the spring component biases the connector to a starting position within the passage.

8. (Currently Amended) A dock ~~as claimed in claim 1, wherein~~ for receiving a portable electronic device, comprising:

a housing comprising an aperture;

a support coupled to an inner wall of the housing, a portion of the support being elastically deformable;

a pad is disposed in the support and is elastically deformable in response to axial movement of the connector; and

a connector received in the support and extending through the aperture for electrically communicating with the portable electronic device, wiring of the connector for transferring data from the portable electronic device;

wherein the portion of the support elastically deforms in response to non-axial movement of at least a portion of the connector.

9. (Original) A dock as claimed in claim 1, comprising more than one connector, each connector being independently movable relative to the housing.

10. (Original) A dock as claimed in claim 2, wherein the spring component comprises three passages for receiving a first data connector, a second data connector and a charging connector.

11. (Original) A dock as claimed in claim 1, wherein the housing comprises a seat for receiving the portable electronic device and the aperture extends through the seat.

12. (Original) A dock as claimed in claim 1, wherein the connector is a micro HDMI connector.

13. (Original) A dock as claimed in claim 1, wherein the connector is a micro USB connector and the wiring receives data from an electronic device.

14. (Original) A dock as claimed in claim 1, wherein the connector is a charging connector.

15. (Currently Amended) A connector assembly for a dock, the connector assembly comprising:

a support for coupling to an inner wall the dock, the support comprising a collar, a portion of the support being elastically deformable; and

a connector received in the support ~~and extending through the aperture~~ for electrically communicating with ~~the~~ a portable electronic device received by the dock, wiring of the connector for transferring data from the portable electronic device;

wherein the portion of the support elastically deforms in response to non-axial translation and pivoting relative to the collar ~~movement~~ of at least a portion of the connector.

16. (Original) A connector assembly as claimed in claim 15, wherein the support includes a spring component received in a support tray, the spring component being elastically deformable.

17. (Currently Amended) A connector assembly as claimed in claim 16~~[[15]]~~, wherein the spring component comprises a passage for receiving the connector, the passage comprising ribs for contacting the connector.

18. (Currently Amended) A connector assembly ~~as claimed in claim 17~~, for a dock, the connector assembly comprising:

a support for coupling to an inner wall the dock, the support comprising a spring component received in a support tray, the spring component comprising a passage, the spring component being elastically deformable; and

a connector received in the support and extending through the passage for electrically communicating with a portable electronic device received by the dock, wiring of the connector for transferring data from the portable electronic device;

wherein the passage comprises ribs for contacting the connector and a cross-sectional area of the ribs is reduced between a top end of the spring component and a bottom end of the spring component, the top end being located adjacent the aperture of the housing.

19. (Original) A connector assembly as claimed in claim 15, wherein the spring component biases the connector to a starting position within the passage.

20. (Original) A connector assembly as claimed in claim 15, comprising a collar abutting the connector within the housing to limit translation of the connector.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ALDANA, Leonardo; MA, Ming-Lun Dave; WENNEMER, Dietmar
Frank; SIMOES, Felipe Oliveira
Serial No.: 13/397,486
Filed: February 15, 2012
Title: DOCK FOR A PORTABLE ELECTRONIC DEVICE
Group: 2833
Examiner: GUSHI, ROSS N
Attorney Ref.: PAT 101419-2 US

May 14, 2013

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria VA 22314-1450
USA

VIA ELECTRONIC SUBMISSION

AMENDMENT/RESPONSE UNDER 37 C.F.R. §1.111

In response to the Office Action dated March 25, 2013 in the above-captioned matter, please enter the following amendment and response.

A list of **claims** including amendments begins on page 2;

Remarks begin on page 6;

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 13/397,486		Filing Date 02/15/2012		☐ To be Mailed					
ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO														
APPLICATION AS FILED – PART I														
(Column 1)			(Column 2)											
FOR		NUMBER FILED		NUMBER EXTRA		RATE (\$)		FEE (\$)						
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A		N/A		N/A								
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))		N/A		N/A		N/A								
☐ 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 \$ =								
☐ 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))														
* 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)								
AMENDMENT	05/14/2013		CLAIMS REMAINING AFTER AMENDMENT			HIGHEST NUMBER PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE (\$)		ADDITIONAL FEE (\$)		
	Total (37 CFR 1.16(i))		* 19		Minus	** 20		= 0		X \$80 =		0		
	Independent (37 CFR 1.16(h))		* 5		Minus	*** 3		= 2		X \$420 =		840		
	☐ Application Size Fee (37 CFR 1.16(s))													
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))													
											TOTAL ADD'L FEE		840	
(Column 1)			(Column 2)			(Column 3)								
AMENDMENT			CLAIMS REMAINING AFTER AMENDMENT			HIGHEST NUMBER PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE (\$)		ADDITIONAL FEE (\$)		
	Total (37 CFR 1.16(i))		*		Minus	**		=		X \$ =				
	Independent (37 CFR 1.16(h))		*		Minus	***		=		X \$ =				
	☐ Application Size Fee (37 CFR 1.16(s))													
	☐ 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 /NICOLE LOVE-HENSLEY/			

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.**

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

Notice of References Cited	Application/Control No. 13/397,486		Applicant(s)/Patent Under Reexamination ALDANA ET AL.	
	Examiner ROSS GUSHI		Art Unit 2833	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-7,628,628	12-2009	Matsuda et al.	439/248
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

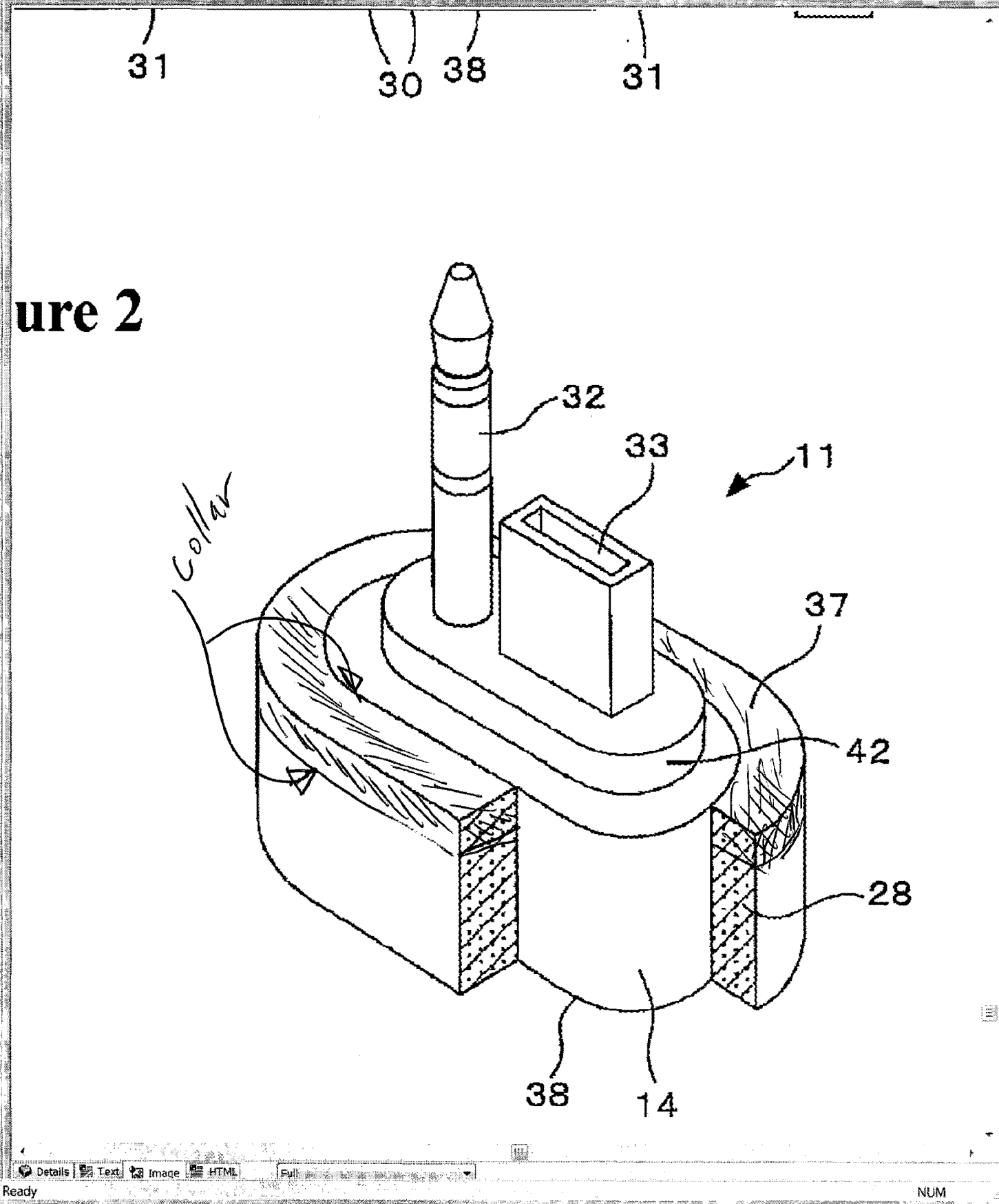
FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

*		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.



EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	110	(aldana adj leonardo or ma adj ming-lun or wennemer adj dietmar or simoes adj felipe).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 08:36
L2	21	("7498546" "7916467" "20110098087" "7775801" "7901216" "7839120" "20110117833" "7014486").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 08:40
L3	22	("20040203267" "5078615" "6113409" "6193546" "6290534" "6549416" "6716058").PN. OR ("7014486").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:41
L4	29	("20040109722" "20050265569" "20060061958" "20060187629" "20060250764" "20060274910" "20060285710" "20070035917" "20070073952" "20070230723" "20070273327" "20080259550" "20090009957" "20100062615" "20100158297" "5144290" "5290178" "5535093" "5751546" "6108200" "6203363" "6366450" "6683786" "6898080" "6926130" "7014486" "7352567" "7538792" "7580255").PN. OR ("8223483").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:42
L5	1	(11/736684).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 08:44
L6	0	("7066752").PN.).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 08:44
L7	2	("7066752").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 08:44

L8	4	("5764497" "6049192" "6758690").PN. OR ("7066752").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:45
L9	10	("20040097127" "20040141253" "20080142651" "20080304240" "6193546" "7014486" "7167372" "7253840" "7333328" "7414668").PN. OR ("8113873").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:47
L10	39	("4426122" "4611864" "4773032" "5256955" "5354218" "5697808" "5799914" "5888087" "5964601").PN. OR ("6193546").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:53
L11	10	("20060044752" "20060250764" "6193546" "6483698" "6716058" "6961237" "7014486" "7639482" "7719830").PN. OR ("8083195").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 08:54
L12	8	("20050101182" "20060141856" "6193546" "6290534" "6858921" "7014486" "7581983").PN. OR ("7931494").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:00
L13	4	("20100291789" "4640984" "6858921" "7931494").PN. OR ("8152561").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:01
L14	1239	(439/246-248).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 09:08
L15	975	(439/246-248).OCLS.	US-PGPUB; USPAT	OR	OFF	2013/03/18 09:08
L16	2	(11/897149).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 09:13
L17	10	("6155858" "6322382" "6527572" "6592387" "7090521" "7121857" "7128602" "7201594").PN. OR ("7467961").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:13
L18	14	("2289514" "2871457" "3951500" "4522378" "4895425" "5211577" "5397244" "6715931" "7090521").PN. OR ("7201594").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:14
L19	27	("5383790" "5769652" "6588880" "6592388" "6679712" "6786691").PN. OR ("7090521").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:15
L20	12	("20020048982" "20060105603" "20120045931" "20120045932" "20120206875" "4361372" "5397244" "5845885" "6422885" "6527572" "7090521" "7311541").PN. OR ("8366469").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:17
L21	11	("20050026499" "20070082537" "4940417" "4954085" "5402316" "5857863" "6290523" "6833989").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:18

		OR ("7311541").URPN.				
L22	12	("20020048982" "20060105603" "20120045931" "20120045932" "20120206875" "4361372" "5397244" "5845885" "6422885" "6527572" "7090521" "7311541").PN. OR ("8366469").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:19
L23	13	("2882510" "4780090").PN. OR ("4940417").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:20
L24	23	("3753212" "4343528" "4437717" "4525771" "4717358" "4836789" "4940417" "4940428" "4963098" "5041018" "5125854" "5184961" "5234348").PN. OR ("5513995").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:22
L25	10	("3094364" "3611266" "4580862" "5167520" "5746617" "6344736" "6390841" "7090521").PN. OR ("7628628").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:26
L26	20	("4909748" "4978313" "5197896" "5622511" "5642999" "5746617" "5759047" "5769651" "5876228" "5893768" "6017233" "6033247").PN. OR ("6390841").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 09:26
L27	975	(439/246-248).OCLS.	US-PGPUB; USPAT	OR	OFF	2013/03/18 09:31
L28	6	("20100102777" "20110134601" "20110175408" "20120030393" "6830469" "7524197").PN. OR ("8241050").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/03/18 10:04
L29	224	(439/929).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 10:08
L30	2	("7628628").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2013/03/18 10:44

3/18/2013 11:38:14 AM

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/397,486	02/15/2012	INV001Leonardo ALDANA	PAT 101419-2	2018

89107	7590	03/25/2013
Borden Ladner Gervais LLP 1200 Waterfront Centre 200 Burrard Street, P.O. Box 48600 Vancouver, BC V7X 1T2 CANADA		

EXAMINER	
GUSHI, ROSS N	

ART UNIT	PAPER NUMBER
2833	

NOTIFICATION DATE	DELIVERY MODE
03/25/2013	ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

IPMailVancouver@blg.com
portfolioprossecution@blackberry.com

Office Action Summary	Application No. 13/397,486	Applicant(s) ALDANA ET AL.	
	Examiner ROSS GUSHI	Art Unit 2833	

-- 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 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, 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 06 November 2012.
- 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) 1-20 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) 1-5, 7, 9-17, 19, 20 is/are rejected.
- 8) ☒ Claim(s) 6,8 and 18 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 11/6/12; 2/15/12 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).
- a) ☐ All b) ☐ Some * c) ☐ None of:
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) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 2/15/12; 11/21/12
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ .
- 4) ☒ Other: attachment.

DETAILED ACTION

Drawings

The drawings are objected to because the cross hatching does not conform to the guidelines as set out in MPEP section 608.02. In particular, the cross-hatching of the hard insulative portions (resin, plastic, etc.) of the assembly should be cross-hatched with alternating thick and thin diagonal lines and the cross-hatching of the rubber/elastic insulative portions should be cross-hatched with thick diagonal lines.

Correction is required in response to this Office action and corrections may not be held in abeyance. Applicant is required to submit acceptable corrected drawings within the time period set in the Office action. See 37 CFR 1.185(a). Failure to take corrective action within the set (or extended) period will result in **ABANDONMENT** of the application.

Claim Rejections - 35 USC § 112

The following is a quotation of 35 U.S.C. 112(b):

(B) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 15-20 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

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Regarding claim 15, the limitation of "the aperture" lacks antecedent basis and is ambiguous.

Claim Rejections - 35 USC § 102 and 35 USC § 103

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the anticipatory rejections under 35 U.S.C. 102 made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in —

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a);

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 2, 4, 5, 7, 9, 11, 15, 16, 19, and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Matsuda et al. US 7628628 ("Matsuda").

Per claim 1, Matsuda discloses What is claimed is a dock for receiving a portable electronic device, comprising: a housing 22 comprising an aperture 15; a support 36 coupled to an inner wall of the housing, a portion 28 of the support being elastically deformable;

and a connector 11 received in the support and extending through the aperture for electrically communicating with the portable electronic device,

wiring of the connector for transferring data from the portable electronic device; wherein the portion of the support elastically deforms in response to non- axial movement of at least a portion of the connector,

Per claim 2, the support includes a spring component 28 received in a support tray (30, 36), the spring component being elastically deformable.

Per claim 4 Matsuda discloses a collar (i.e. the upper section of the elastic material 28) abutting the connector within the housing to limit translation of the connector. See attachment.

Per claim 5, the collar surrounds the connector at a location adjacent the aperture.

Per claim 7 the spring component biases the connector to a starting position within the passage.

Per claim 9 Matsuda discloses more than one connector (11a, 11b), each connector being independently movable relative to the housing.

Per claim 11 the housing comprises a seat 40 for receiving the portable electronic device and the aperture extends through the seat.

Per claim 15, Matsuda discloses a connector assembly for a dock, the connector assembly comprising: a support 36 for coupling to an inner wall the dock, a portion of the support 28 being elastically deformable; and

a connector 11 received in the support and extending through an aperture 15 for electrically communicating with the portable electronic device,

wiring of the connector for transferring data from the portable electronic device; wherein the portion of the support elastically deforms in response to non-axial movement of at least a portion of the connector.

Per claim 16 the support includes a spring component 28 received in a support tray (36, 30), the spring component being elastically deformable.

Per claim 19 the spring component biases the connector to a starting position within the passage.

Per claim 20 Matsuda discloses a collar (i.e. the upper section of the elastic material 28) abutting the connector within the housing to limit translation of the connector.

Claim 3, 10, 12, 13, 14, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuda. Regarding claims 3 and 17, Matsuda discloses that the spring component comprises a passage for receiving the connector, and the spring component comprising ribs 39 contacting housing part 36 rather than the connector. At the time of the invention, it would have been obvious to reverse the position of the ribs to be on the surface of the elastic part 28 facing inwards to the connector rather than

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outward toward the housing 36. Such a modification would have been a matter of obvious engineering choice, being merely a reversal of parts. *In re Gazda*, 104 USPQ 400 (CCPA 1963).

Regarding claim 10, Matsuda discloses that the spring component 28 comprises two passages, one for connector 11a and one for connector 11b. At the time of the invention, it would have been obvious to include another similar connector in the cradle, including a corresponding window and spring component 28. Such a modification would have been a mere duplication of parts without patentable significance given that no new or unexpected results would have been produced. *In re Harza*, 274 F.2d 669 (CCPA 1960). The suggestion or motivation for doing so would have been to connect to a third or fourth connector of the electronic device 27 as was known in the art. The examiner takes judicial notice that data connectors (such as data connector 33, 35, see col. 9, lines 45-55) and charging connectors (such as connectors 32, 34, see col. 9, lines 45-55) are known in the art. At the time of the invention, it would have been obvious to have the additional connector(s) be for data or for charging, such a selection of connector type being a matter of obvious engineering choice. Such a modification would have been a mere duplication of parts without patentable significance given that no new or unexpected results would have been produced. *In re Harza*, 274 F.2d 669 (CCPA 1960).

Regarding claims 12, 13, and 14, Matsuda discloses that connectors 33 and 35 are multipole data connectors and connector 32 and 34 are power connectors.

Regarding claim 12, Matsuda does not specify that connectors 33 and 35 are micro HDMI. The examiner takes judicial notice that micro-HDMI is a known standard multipole data connector. At the time of the invention, it would have been obvious to use a known standard multipole data connector such as a micro-HDMI connector for connector 33 and 35. The suggestion or motivation for doing so would have been to facilitate manufacturing of the device since this is a known standard connector.

Regarding claim 13, Matsuda does not specify that connectors 33 and 35 are micro USB. The examiner takes judicial notice that micro-USB is a known standard multipole data connector. At the time of the invention, it would have been obvious to use a known standard multipole data connector such as a micro-USB connector for connector 33 and 35. The suggestion or motivation for doing so would have been to facilitate manufacturing of the device since this is a known standard connector.

Regarding claim 14, Matsuda notes that connectors 32 and 34 are power supply connectors (col. 9, lines 45-55). The examiner takes judicial notice that power supply connectors are inherently capable of being used for charging at battery. At the time of the invention, it would have been obvious to use the power supply connectors for charging a battery. The suggestion or motivation for doing so would have been to recharge a battery of the device, such motivation being well known in the art.

Allowable Subject Matter

Claims 6, 8, and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the

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limitations of the base claim and any intervening claims. The prior art does not disclose the device as claimed, the including the combination of all the claimed elements, the combination including (regarding claims 6 and 18) that a cross-sectional area of the ribs is reduced between a top end of the spring component and a bottom end of the spring component, the top end being located adjacent the aperture of the housing or (regarding claim 8) that a pad is disposed in the support and is elastically deformable in response to axial movement of the connector.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ross Gushi whose telephone number is (571) 272-2005. If attempts to reach the examiner by phone are unsuccessful, the examiner's supervisor, Renee Luebke, can be reached at 571-272-2009. The phone number for the Group's facsimile is 571-273-8300.

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).

/Ross N. Gushi/

Primary Examiner, Art Unit 2833

Search Notes 	Application/Control No. 13397486	Applicant(s)/Patent Under Reexamination ALDANA ET AL.
	Examiner ROSS GUSHI	Art Unit 2833

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
439	246-248, 929	3/18/2013	rng

SEARCH NOTES		
Search Notes	Date	Examiner
inventor search	3/18/2013	rng

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

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Receipt date: 02/15/2012

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

13397486 - GAIL-2833

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		2012-02-15
	First Named Inventor	ALDANA, Leonardo	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	PAT 101419-2	

U.S. PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7901216	B2	2011-03-08	Apple Inc.	
	2	7775801	B2	2010-08-17	Microsoft Corporation	
	3	7498546	B2	2009-03-03	Focus Products Group, LLC	
	4	7916467	B2	2011-03-29	Apple Inc.	
	5	7839120	B2	2010-11-23	International Business Machines Corporation	
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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20110098087	A1	2011-04-28	Google Inc.	
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Receipt date: 02/15/2012 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13397486 - GAU: 2833	
	Filing Date		2012-02-15	
	First Named Inventor	ALDANA, Leonardo		
	Art Unit			
	Examiner Name			
	Attorney Docket Number		PAT 101419-2	

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
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Receipt date: 02/15/2012 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13397486 - GAU: 2833
	Filing Date		2012-02-15
	First Named Inventor	ALDANA, Leonardo	
	Art Unit		
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	Attorney Docket Number	PAT 101419-2	

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Signature	/Lesley M. Morrison/	Date (YYYY-MM-DD)	2012-02-15
Name/Print	Lesley M. Morrison	Registration Number	50217

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Receipt date: 11/21/2012

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	Filing Date		2012-02-15	
	First Named Inventor	ALDANA, Leonardo		
	Art Unit	2835		
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	First Named Inventor	ALDANA, Leonardo		
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	Art Unit	2835	
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
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PUBLICATION NOTICE



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Borden Ladner Gervais LLP
1200 Waterfront Centre
200 Burrard Street, P.O. Box 48600
Vancouver, BC V7X 1T2
CANADA

Title:DOCK FOR A PORTABLE ELECTRONIC DEVICE

Publication No.US-2013-0005179-A1

Publication Date:01/03/2013

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EFS ID:	14290762
Application Number:	13397486
International Application Number:	
Confirmation Number:	2018
Title of Invention:	DOCK FOR A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Leonardo ALDANA
Customer Number:	89107
Filer:	Lesley Meredith Morrison/Anett Fabian
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Attorney Docket Number:	PAT 101419-2
Receipt Date:	21-NOV-2012
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Time Stamp:	14:35:08
Application Type:	Utility under 35 USC 111(a)

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1	Information Disclosure Statement (IDS) Form (SB08)	PAT_101419_2_IDS.pdf	634278 ac716ed909c0c5f6704aadd56d15eb39b2b1ba55	no	4

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Gebrauchsmusterschrift

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(74) Name und Wohnsitz des Vertreters:

Plünnecke, I., Dipl.-Ing., Pat.-Anw., 52066 Aachen

(73) Name und Wohnsitz des Inhabers:

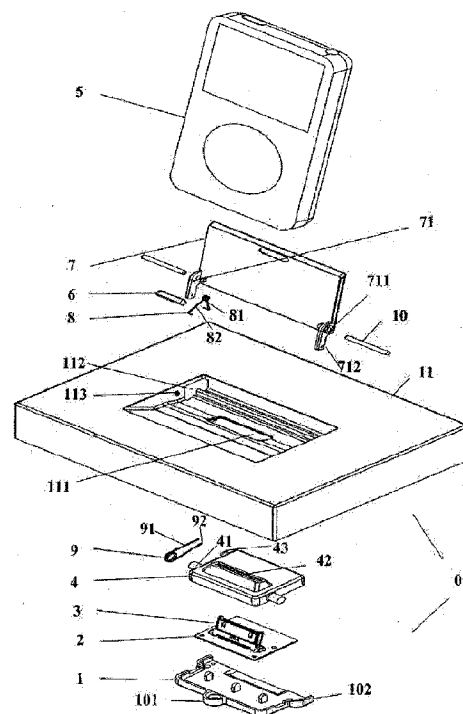
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Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen

(54) Bezeichnung: **Dockingstation und Multimedia-Systeme mit der genannten Dockingstation**

(57) Hauptanspruch: Dockingstation (0) für tragbare Einrichtungen mit:

- einem Sockel (11),
- einem Dockingelement (3) zum Andocken einer tragbaren Einrichtung, das drehbar auf den genannten Sockel (11) montiert wird,
- einem Stützelement (7), das auf den genannten Sockel (11) montiert ist, mit einem Gummipuffer (6) zur Abstützung der tragbaren Einrichtung über den genannten Gummipuffer (6), wenn sie an das genannte Dockingelement (3) andockt wird.



Beschreibung**ANWENDUNGSBEREICH DER ERFINDUNG**

[0001] Die vorliegende Erfindung betrifft Multimedia-Systeme, insbesondere Dockingstationen in dem Multimedia-System, zum Andocken von tragbaren elektronischen Einrichtungen.

HINTERGRUND DER ERFINDUNG

[0002] Heutzutage sind verschiedene tragbare elektronische Einrichtungen auf dem Markt, beispielsweise Handys, Portable Digital Assistants (PDAs), Audio-/Video-Player, Digitalkameras und Spielkonsolen. Derartige tragbare elektronische Einrichtungen, beispielsweise das iPod® von Apple® Inc., müssen häufig zur Herstellung einer elektrischen Verbindung mit Lautstärkern und externen Stromquellen an eine Dockingstation angedockt werden.

[0003] In Anbetracht der Tatsache, dass heutzutage ein großes Spektrum an tragbaren Einrichtungen existiert, die von unterschiedlichen Designern und Herstellern konstruiert bzw. hergestellt werden und unterschiedliche Längen, Breiten und/oder Dicken aufweisen können, ist das Andocken einer dieser tragbaren Einrichtungen an eine gegebene Dockingstation nicht möglich, da die Größen dieser beiden Produktarten nicht kompatibel sind. Der Benutzer kann zwar einen separaten Adapter kaufen, diese Lösung ist jedoch kostenintensiv und wenig benutzerfreundlich. Selbst wenn die tragbare Einrichtung an die Dockingstation angedockt werden kann, muss dabei auch noch die Stabilität und der Schutz der tragbaren Einrichtung sichergestellt werden.

[0004] Daher besteht ein großes Interesse an einer neuen Dockingstation, die eine Lösung für die oben genannten technischen Probleme bietet.

AUFGABE UND ZUSAMMENFASSUNG DER ERFINDUNG

[0005] Der Erfindung liegt die Aufgabe zugrunde, zur Aufhebung der oben genannten Einschränkungen eine verbesserte Dockingstation zu schaffen. Gemäß einer Ausführungsform der vorliegenden Erfindung wird eine Dockingstation für tragbare Einrichtungen geschaffen, wobei die Station einen Sockel, ein Dockingelement zum Andocken einer tragbaren Einrichtung, das drehbar auf den genannten Sockel montiert wird, und ein Stützelement mit einem Gummipuffer, das auf den genannten Sockel montiert wird, zum Abstützen der tragbaren Einrichtung durch den genannten Gummipuffer umfasst, wenn diese an das genannte Dockingelement angedockt wird.

[0006] Wenn die tragbare Einrichtung an die Dockingkomponente angedockt wird und Kontakt mit

dem genannten Stützelement erhält, stützt sich die tragbare Einrichtung über den Gummipuffer auf dem Stützelement ab.

[0007] Ferner umfasst die oben genannte Dockingstation eine erste Halteplatte, die mit dem genannten Sockel drehbar verbunden ist, wobei das genannte Dockingelement auf die genannte erste Halteplatte montiert und zusammen mit der genannten ersten Halteplatte drehbar ist, wobei das genannte Dockingelement indirekt drehbar mit dem genannten Sockel verbunden ist.

[0008] Ferner umfasst die oben genannte Dockingstation ein elastisches Element, wobei ein erster Teil des genannten elastischen Elements Kontakt mit der genannten ersten Halteplatte und ein zweiter Teil des elastischen Elements Kontakt mit dem genannten Sockel hat, und wobei sich die genannte tragbare Einrichtung aufgrund der durch das elastische Element auf die erste Halteplatte ausgeübten Kraft auf dem genannten Stützelement abstützt, wenn die genannte tragbare Einrichtung mit dem genannten Dockingelement verbunden wird und Kontakt mit dem genannten Stützelement erhält.

[0009] Ferner ist die oben genannte erste Halteplatte mit einem vorstehenden Bereich versehen ist, wobei das genannte elastische Element eine erste Torsionsfeder ist, die auf eine Drehachse zwischen der genannten ersten Halteplatte und dem genannten Sockel montiert ist, wobei der erste Teil der genannten ersten Torsionsfeder der erste Arm der ersten Torsionsfeder ist, wobei der zweite Teil der genannten ersten Torsionsfeder der zweite Arm der ersten Torsionsfeder ist und wobei der genannte erste Arm Kontakt mit dem genannten vorstehenden Bereich hat.

[0010] Als optionale Lösung befinden sich der Schwerpunkt der genannten tragbaren Einrichtung und das Stützelement auf derselben Seite der Drehachse zwischen der ersten Halteplatte und dem genannten Sockel, wenn die genannte tragbare Einrichtung an das genannte Dockingelement angedockt wird und Kontakt zu dem genannten Stützelement erhält, wobei sich die genannte tragbare Einrichtung durch die Wirkung der Schwerkraft der tragbaren Einrichtung selbst auf dem genannten Stützelement abstützt.

[0011] Ferner umfasst die oben genannte Dockingstation ein Begrenzungsteil zum Begrenzen des Drehwinkels der ersten Halteplatte.

[0012] Ferner besteht das oben genannte Begrenzungsteil aus einer zweiten Halteplatte, die unterhalb der genannten ersten Halteplatte montiert und in dem genannten Sockel befestigt ist, und die genannte erste Halteplatte hat derart Kontakt mit der genannten zweiten Halteplatte, dass sie die weitere Drehung der

ersten Halteplatte begrenzt, wenn sich die erste Halteplatte bis zu einem vorbestimmten Winkel dreht.

[0013] Ferner weist das obere Stützelement eine ebene Struktur auf und ist auf dem genannten Sockel drehbar montiert, und das Stützelement deckt die genannte erste Halteplatte und die genannten Dockingelemente ab, wenn sich das genannte Stützelement in einen geschlossenen Zustand dreht.

[0014] Ferner weist die Basis des genannten Stützelements eine Armstruktur mit einem Scharnier auf und ist durch das Scharnier drehbar auf dem genannten Sockel montiert, wobei die genannte Dockingstation ferner eine zweite Torsionsfeder umfasst, die an dem genannten Scharnier an der Basis des genannten Stützelements montiert ist, wobei die genannte zweite Torsionsfeder einen ersten Arm und einen zweiten Arm aufweist, wobei der erste Arm auf dem genannten Sockel montiert und der genannte zweite Arm an das Ende der genannten Armstruktur montiert ist, wobei die Verformung der genannten zweiten Torsionsfeder zunimmt, wenn sich das genannte Stützelement vom geschlossenen Zustand hin zur offenen Position dreht, wobei die Verformung der genannten zweiten Torsionsfeder einen Extremwert erreicht, wenn sich das genannte Stützelement bis zu einem vorbestimmten Winkel hin zur offenen Position dreht, und wobei die genannte zweite Torsionsfeder das genannte Stützelement derart antreibt, dass es sich in einen offenen Zustand dreht, um die Verformung zu überwinden, wenn sich das genannte Stützelement weiter hin zur offenen Position dreht.

[0015] Gemäß einer Ausführungsform der vorliegenden Erfindung wird ein Multimedia-System geschaffen, wobei das System eine tragbare Einrichtung und die oben genannte Dockingstation umfasst.

[0016] Durch den Einsatz der mit der vorliegenden Erfindung geschaffenen Dockingstation brauchen Benutzer nicht mehr mehrere Adapter für tragbare Einrichtungen in verschiedenen Größen zu kaufen und nicht mehr aufwändig nach einem geeigneten Adapter zu suchen, falls sich die anzudockende tragbare Einrichtung ändert. Die vorliegende Erfindung ist einfach zu handhaben, kostengünstig und auch sehr zuverlässig.

KURZE BESCHREIBUNG DER ZEICHNUNGEN

[0017] Merkmale, Aspekte und Vorteile der vorliegenden Erfindung sind in den Zeichnungen dargestellt und werden im Folgenden anhand von Ausführungsbeispielen ohne Anspruch auf Vollständigkeit näher beschrieben. Gleiche oder ähnliche Teile haben die gleichen Bezugszeichen. Es zeigen:

[0018] Fig. 1 die Explosionsdarstellung eines erfindungsgemäßen Ausführungsbeispiels einer Docking-

station sowie einer tragbaren Einrichtung, für die die Dockingstation vorgesehen ist;

[0019] Fig. 2 eine seitliche Querschnittsdarstellung eines erfindungsgemäßen Ausführungsbeispiels der Dockingstation im Ruhezustand;

[0020] Fig. 3 die vordere Querschnittsdarstellung eines erfindungsgemäßen Ausführungsbeispiels der Dockingstation sowie der tragbaren Einrichtung, für die die Dockingstation vorgesehen ist;

[0021] Fig. 4a eine vereinfachte Ansicht der Querschnittsdarstellung aus Fig. 2;

[0022] Fig. 4b eine schematische Darstellung der Klappe aus Fig. 4a bei ihrem Drehvorgang;

[0023] Fig. 4c eine schematische Darstellung der Klappe aus Fig. 4a, nachdem sie sich weiter in den offenen Zustand gedreht hat;

[0024] Fig. 5 eine schematische Darstellung der Situation, wenn eine dickere tragbare Einrichtung an ein erfindungsgemäßes Ausführungsbeispiel der Dockingstation angedockt wird;

[0025] Fig. 6 den Endzustand des Dockingvorgangs aus Fig. 5;

[0026] Fig. 7 eine schematische Darstellung der Situation, wenn eine dünnere tragbare Einrichtung als diejenige aus den Fig. 5 und Fig. 6 an ein erfindungsgemäßes Ausführungsbeispiel der Dockingstation angedockt wird;

[0027] Fig. 8 eine schematische Darstellung des seitlichen Querschnitts eines erfindungsgemäßen Ausführungsbeispiels der Dockingstation;

AUSFUHRLICHE BESCHREIBUNG DER ERFINDUNG

[0028] Die Ausführungsbeispiele ohne Anspruch auf Vollständigkeit der vorliegenden Erfindung werden mit Bezug auf die Zeichnungen erläutert. Dem Fachkundigen ist ersichtlich, dass die Darstellung lediglich der Erklärung dient und nicht den Schutzrahmen der Ansprüche der vorliegenden Erfindung einschränkt, auch wenn die in den Zeichnungen dargestellte tragbare Einrichtung die Form eines iPod® aufweist und die Dockingstation, die in den Zeichnungen zum Andocken der tragbaren Einrichtung dargestellt ist, einen Aufbau hat, der zum iPod® passt.

[0029] Gemäß den Ausführungsformen der vorliegenden Erfindung ist wünschenswert, dass die Dockingstation für tragbare Einrichtungen unterschiedlicher Dicke geeignet ist, ohne von Adaptern abhängig zu sein, die speziell für tragbare Einrichtungen je-

des Modells existieren, und sicherstellt, dass die tragbaren Einrichtungen nach dem Andocken an die Dockingstation stabil gehalten werden.

[0030] Die Dockingstation gemäß den Ausführungsformen der vorliegenden Erfindung umfasst die folgenden Komponenten:

1. Sockel

[0031] Die Funktion des Sockels liegt in erster Linie im Tragen und Aufnehmen anderer Komponenten, und er dient der Verbindung und als Montagebasis für einige Komponenten mit dem Ziel der Integration.

2. Dockingelement

[0032] In der vorliegenden Darlegung realisiert das Dockingelement den elektrischen Anschluss zur Verbindung einer externen tragbaren Einrichtung, und sein Zweck liegt beispielsweise in der oben erwähnten Aufladung und der externen Verbindung mit einem Lautsprecher. Die vorliegende Erfindung beschränkt sich jedoch nicht auf einen gegebenen Zweck des Andockens zwischen der Dockingstation und der tragbaren Einrichtung. Beispielsweise kann gemäß einem Ausführungsbeispiel der vorliegenden Erfindung die Schaffung einer Dockingstation lediglich zum Lagern von bereits verwendeten tragbaren Einrichtungen dienen und die Verbindung zwischen ihnen nicht elektrischer Art sein. Das Dockingelement kann über geeignete Funktionen in Abhängigkeit von den unterschiedlichen Aufgaben des Andockens verfügen.

[0033] Es ist von Bedeutung, dass das Dockingelement gemäß der vorliegenden Erfindung drehbar auf dem Sockel montiert ist. Es ist anzumerken, dass die Drehbarkeit sowohl das Verfahren mit direktem Kontakt als auch das Verfahren mit indirektem Kontakt umfasst:

- Bei dem Montageverfahren mit direktem Kontakt ist das Dockingelement im Allgemeinen so ausgelegt, dass es eine axiale Drehung bezüglich des Sockels gestattet, beispielsweise durch Scharniere auf beiden Seiten, und der Sockel ist ebenfalls so ausgelegt, dass er zu dem obengenannten Aufbau passt, beispielsweise mit Öffnungen, die zu den Scharnieren passen, und die Drehung der Bauteile zueinander kann durch eine Stiftverbindung zwischen den Scharnieren und den Öffnungen erfolgen.
- Bei der Montage mit indirektem Kontakt muss das Dockingelement nicht unbedingt so ausgelegt sein, dass es eine Drehung bezüglich des Sockels gestattet, sondern das Dockingelement wird zur Ausführung der Drehfunktion auf ein zusätzliches Bauteil montiert, und die Drehung zwischen dem zusätzlichen Bauteil und dem Sockel erfolgt über Scharniere.

[0034] Auf diese Aspekte wird in der folgenden Beschreibung im Zusammenhang mit den Zeichnungen näher eingegangen.

3. Stützelement

[0035] Das oben genannte Dockingelement trägt in gewisser Weise zur Stabilität der tragbaren Einrichtung längs der Schwerkraftrichtung bei. Aufgrund der drehbaren Auslegung ist jedoch ein Stützelement zur Abstützung der tragbaren Einrichtung längs ihrer Drehrichtung erforderlich, das einen stabilen Zustand herstellt, nachdem die tragbare Einrichtung an das Dockingelement angedockt wurde.

[0036] Die oben genannten wesentlichen Teile ersetzen die herkömmliche Realisierung eines Adapters für Einrichtungen mit unterschiedlichen Modellen. Bei tragbaren Einrichtungen mit unterschiedlicher Dicke liegt der Unterschied nach dem Andocken lediglich darin, dass sich die Positionen des Dockingelements bezüglich des Sockels längs der Drehrichtung nach dem Andocken im stabilen Zustand unterscheiden. Dieser Unterschied wird im Folgenden mit besonderem Bezug auf die Zeichnungen näher beschrieben.

[0037] Jede Ausführungsform ohne Anspruch auf Vollständigkeit wird im Folgenden im Zusammenhang mit den Zeichnungen beschrieben.

[0038] Als erstes zeigt Fig. 1 die Explosionsdarstellung eines erfindungsgemäßen Ausführungsbeispiels einer Dockingstation sowie einer tragbaren Einrichtung, die zusammen mit der Dockingstation verwendet werden kann.

[0039] Die tragbare Einrichtung **5** ist typischerweise ein tragbarer Mediaplayer, der an seinem unteren Ende über eine Schnittstelle, beispielsweise einen Slot, verfügt (in der Figur des Winkels wegen nicht dargestellt), die dazu verwendet wird, sich in der Dockingstation **0** mit dem Verbindungsteil **3** zu verbinden, und wenn sie an dem Verbindungsteil **3** angedockt ist, kann die tragbare Einrichtung **5** beispielsweise über die Dockingstation geladen oder mit dem externen Endverstärker oder Lautsprecher verbunden werden.

[0040] Die übrigen Teile in Fig. 1 umfassen eine Dockingstation **0**. Selbstverständlich sind andere normalerweise verwendete Bauteile zur Ausführung der speziellen Andockaufgabe, wie beispielsweise Drähte, der Einfachheit halber nicht dargestellt. Eine derart vereinfachte Darstellung sollte jedoch nicht so verstanden werden, dass die erfindungsgemäße Dockingstation nicht über die Fähigkeit verfügt, die entsprechenden Funktionen auszuführen.

[0041] Der Sockel 11 dient dem Tragen anderer Bauteile und ist mit zumindest einem Teil von ihnen verbunden und bildet mit ihnen ein Ganzes.

[0042] Jedes der Bauteile zur Ausführung der Funktion des Stützelements befindet sich oben auf dem Sockel 11, wobei die Klappe 7 die Funktion des Stützelements übernimmt. Die Klappe 7 verfügt an ihrer Basis über eine Armstruktur 71. Ein Stift 10 stellt die Verbindung mit einem Scharnier 711 an der Armstruktur 71 und mit dem Sockel 11 her. Wenn sich die Klappe 7 bis zu einem bestimmten Winkel öffnet, erhält sie Kontakt mit einem vorstehenden Bereich 112 am Sockel 11 und wird in dieser Position durch den vorstehenden Bereich 112 stabilisiert. Im Folgenden wird diese Position als offene Position und der Zustand der Klappe 7 in dieser Position als offener Zustand bezeichnet.

[0043] Wie in Fig. 1 dargestellt ist an der Klappe 7 ein Gummipuffer 6 vorgesehen, der verhindern soll, dass die tragbare Einrichtung durch den direkten Kontakt mit der Klappe 7 verkratzt wird. Der Gummipuffer 6 kann beispielsweise durch Kleben an einer geeigneten Position an der Klappe 7 befestigt werden um sicherzustellen, dass der Gummipuffer 6 anstelle der Klappe 7 Kontakt mit der angedockten tragbaren Einrichtung 5 erhält. In diesem Fall bilden die Klappe 7 und der Gummipuffer 6 insgesamt das oben genannte Stützelement. Außerdem kann der Gummipuffer 6 aufgrund seiner rauen Oberfläche die Stabilität der tragbaren Einrichtung 5 längs ihrer Andockrichtung erhöhen.

[0044] Das Verbindungsstück 3 kann allein als ein Dockingelement oder zusammen mit der Leiterplatte 2 insgesamt als das Dockingelement betrachtet werden. Das Dockingelement ist in die erste Halteplatte 4 montiert, und zumindest ein Teil des Verbindungsstücks 3 ragt aus der Schlitzöffnung 42 auf der Oberseite der ersten Halteplatte 4 und ragt ferner aus der Schlitzöffnung 111 auf der Oberseite des Sockels 11 heraus, um an die tragbare Einrichtung 5 anzudocken, die von oben nach unten eingesteckt wird. Die zweite Halteplatte 1 ist von unten über die kreisförmige Öffnung 101 an der zweiten Halteplatte 1 am Sockel 11 fixiert, befestigt zwei Scharniere 41 (von denen nur eines in der Zeichnung nummeriert ist) der ersten Halteplatte 4 sandwichartig über den Rippenbereich 102 an der zweiten Halteplatte 1 und entsprechenden Ausbildungen am Sockel 11 und gestattet es der ersten Halteplatte 4, das in sie montierte Dockingelement anzutreiben, so dass es sich zusammen um die Scharniere 41 dreht.

[0045] Ein elastisches Element kann zur Erhöhung der Stabilität der tragbaren Einrichtung 5 längs der Drehrichtung nach dem Andocken vorgesehen werden. Ein erster Teil des elastischen Elements hat Kontakt mit der ersten Halteplatte 4 und ein zweiter

Teil des elastischen Elements hat Kontakt mit dem Sockel 11. Die tragbare Einrichtung 5 stützt sich aufgrund der von dem elastischen Element ausgeübten Kraft auf die Halteplatte 4 auf dem Stützelement ab, wenn die tragbare Einrichtung 5 mit dem Dockingelement verbunden wird und Kontakt mit der Klappe 7 erhält. In der in Fig. 1 gezeigten Ausführungsform ist das elastische Element im Besonderen als erste Torsionsfeder 9 ausgeführt, deren erster Teil im Besonderen der erste Arm 91 ist und auf den vorstehenden Bereich 43 der ersten Halteplatte 4 drückt, und deren zweiter Teil im Besonderen der zweite Arm 92 ist, der an der Innenfläche der Oberseite des Sockels 11 anliegt (des Winkels wegen in Fig. 1 nicht dargestellt). Die erste Torsionsfeder 9 treibt somit die erste Halteplatte 4 derart an, dass sie sich in der Richtung dreht, in der die tragbare Einrichtung aufgrund der elastischen Energie der ersten Torsionsfeder 9 die Klappe 7 schließt. Im folgenden Teil der Beschreibung werden nähere Einzelheiten aufgeführt.

[0046] Es ist offensichtlich, dass, auch wenn in den Zeichnungen jeweils nur eine erste und eine zweite Torsionsfeder dargestellt sind, der Fachkundige zwei symmetrische erste Torsionsfedern und zwei zweite Torsionsfedern für die Dockingstation vorsehen kann, wodurch ihre entsprechenden Wirkungen verstärkt werden. Dementsprechend ist die erste Halteplatte 4 bei Vorhandensein von zwei ersten Torsionsfedern mit zwei vorstehenden Bereichen 43 an zwei im Wesentlichen symmetrischen Positionen versehen.

[0047] Nachdem alle Bauteile zusammengebaut wurden, erhält man die in Fig. 2 dargestellte Dockingstation 0, wobei einige Bauteile in Fig. 2 durch andere Bauteile verdeckt sein können, da sie aufgrund des Blickwinkels nicht dargestellt sind, diese Bauteile sind jedoch in anderen Zeichnungen gut zu sehen.

[0048] Fig. 2 zeigt eine seitliche Querschnittsdarstellung der Dockingstation 0 im Ruhezustand. In dieser Figur ist zu sehen, dass das Verbindungsstück 3 und die Leiterplatte 2 aneinander befestigt sind und dass ein Teil des Verbindungsstücks 3 aus der Oberseite der ersten Halteplatte 4 in die von der Klappe 7 und der Oberseite des Sockels 11 gebildeten Aussparung ragt.

[0049] Die erste Halteplatte 4 ist drehbar auf den Sockel 11 montiert, was auf vielfältige Weise erfolgen kann.

- Entweder werden in der Innenfläche auf beiden Seiten des Sockels 11 Öffnungen vorgesehen, deren Größe zu derjenigen des Scharniers 41 passt und die es dem Scharnier 41 gestatten, sich frei zu drehen, oder
- wie in Fig. 3 dargestellt, bilden der Rippenbereich 102 der zweiten Halteplatte 1 und der Rippenbereich 115 des Sockels 11 einander gegen-

überliegend eine Struktur, mit der das Scharnier drehbar verbunden werden kann, oder – da die zweite Halteplatte 1 über die kreisförmige Öffnung 101 am Sockel 11 befestigt ist, können die zweite Halteplatte 1 und die erste Halteplatte 4 eine drehbare Verbindung bilden, so dass die erste Halteplatte 4 indirekt drehbar an dem Sockel 11 montiert werden kann.

[0050] Dem Fachkundigen wird aus der Lektüre der Beschreibung ersichtlich sein, dass die in Fig. 9 gezeigte erste Torsionsfeder 9 weggelassen werden kann. Somit wird die erste Halteplatte 4 in dem in Fig. 2 gezeigten Ruhezustand mit dem Dockingelement aufgrund der Schwerkraft in die X-Richtung abgelenkt und erhält, wie dargestellt, Kontakt mit der zweiten Halteplatte 1 an der Position P. Somit befindet sich die erste Halteplatte 4 in einem stabilisierten Zustand. Alternativ könnte mit Bezug auf Fig. 8 die erste Halteplatte 4 diesen stabilisierten Zustand erreichen, indem sie Kontakt mit einem vorstehenden Bereich 115 am Sockel 11 erhält. Alternativ kann die erste Halteplatte 4 auch in einer geeigneten Position durch die Konfiguration eines flexiblen draht- oder bandähnlichen Verbindungsteils zwischen den Positionen Q und S stabilisiert werden. Die Drehachse kann derart positioniert werden, dass sich der Schwerpunkt der tragbaren Einrichtung 5 und die Klappe 7 auf derselben Seite der Drehachse befinden, nämlich dem Scharnier 41 zwischen der ersten Halteplatte 4 und dem Sockel 11, wenn die tragbare Einrichtung an das Dockingelement angedockt wird und Kontakt mit dem Stützelement erhält, nämlich der Klappe 7, wodurch bewirkt wird, dass sich die tragbare Einrichtung 5 aufgrund der Schwerkraft der tragbaren Einrichtung 5 selbst auf der Klappe abstützt.

[0051] In dem Fall, dass die erste Torsionsfeder 9 vorgesehen wird, kann die erste Torsionsfeder 9 in dem in Fig. 2 gezeigten Zustand entweder unverformt oder verformt sein.

[0052] In dem Fall, dass sich die erste Torsionsfeder 9 in Fig. 2 im verformten Zustand befindet, übt die erste Torsionsfeder 9, da sie anstrebt, ihren Ausgangszustand wiederherzustellen, Kraft auf die erste Halteplatte 4 aus, so dass sich die erste Halteplatte 4 in die X-Richtung dreht. Die erste Halteplatte 4 erreicht den stabilisierten Zustand daher in Abhängigkeit von dem Kontakt an der Position P mit der zweiten Halteplatte 1, die am Sockel 11 befestigt ist, oder in Abhängigkeit von dem Kontakt mit dem vorstehenden Bereich 115.

[0053] In dem Fall, dass sich die erste Torsionsfeder 9 in Fig. 2 im unverformten Zustand befindet, würde die erste Torsionsfeder 9, falls der Benutzer versucht, nach dem Öffnen der Klappe 7 beispielsweise von Hand oder durch die tragbare Einrichtung 5 die Halteplatte 4 in die der X-Richtung entgegenge-

setzten Richtung zu drehen, eine Kraft erzeugen, die bewirkt, dass sich die an das Verbindungsteil 3 angedockte und somit zusammen mit der ersten Halteplatte 4 gedrehte tragbare Einrichtung 5 aufgrund der Torsionswirkung in der X-Richtung auf dem Gummipuffer 6 der geöffneten Klappe 7 abstützt.

[0054] Dem Fachkundigen wird ersichtlich sein, dass die erste Torsionsfeder 9 ersetzt werden kann. Beispielsweise kann eine herkömmliche Feder zwischen der Position S und der Position Q angeordnet werden. In dem Fall, dass die erste Halteplatte 4 beginnt, sich von der in Fig. 2 gezeigten Position in die X entgegengesetzte Richtung zu drehen, wird die Feder zusammengedrückt und übt somit an der Position S eine nach unten gerichtete Kraft auf die erste Halteplatte 4 aus, die bewirkt, dass sich die angedockte tragbare Einrichtung 5 aufgrund der auf die erste Halteplatte 4 wirkenden Torsionswirkung in der X-Richtung auf dem Gummipuffer 6 der geöffneten Klappe 7 abstützt.

[0055] Dem Fachkundigen wird ferner ersichtlich sein, dass der oben genannte Kontakt der ersten und der zweiten Halteplatte an der Position P, der Kontakt der ersten Halteplatte 4 und des vorstehenden Bereichs 115 und der flexible Verbindungsteil zwischen der Position S und der Position Q die Funktion der Stabilisierung der ersten Halteplatte 4 in dem in Fig. 2 gezeigten Zustand übernehmen kann, wenn die erste Torsionsfeder 9 oder andere Alternativen eingesetzt werden.

[0056] Es ist anzumerken, dass die Position der ersten Halteplatte 4, wie sie in Fig. 2 in der Drehrichtung dargestellt ist, lediglich eine bevorzugte Ausführungsform ist, und die vorliegende Erfindung dadurch nicht einschränkt ist, dass die erste Halteplatte 4 im Ruhezustand definitiv bewirkt, dass das Verbindungsteil 3 im Wesentlichen nach oben zeigt. Als alternatives Beispiel dreht sich, nachdem die erste Halteplatte 4 drehbar durch das Scharnier 41 montiert wurde, das durch auf der Innenfläche des Sockels 11 vorgesehene Löcher geführt wird, die erste Halteplatte 4 in dem Fall, dass keine Begrenzungen vorgesehen sind, einschließlich der zweiten Halteplatte 1, wie in den Figuren gezeigt, von der in Fig. 2 gezeigten Position durch ihrer Schwerkraft weiter in die X-Richtung, bis ihr Schwerpunkt und das Scharnier 41 auf derselben senkrechten Linie liegen und die erste Halteplatte ihren stabilisierten Zustand erreicht. Wenn die erste Halteplatte 4 verwendet wird, muss der Benutzer die erste Halteplatte 4 drehen und dann die tragbare Einrichtung 5 andocken. Danach erhält die tragbare Einrichtung 5 wirksamen Kontakt mit der Klappe 7 aufgrund der Tatsache, dass die tragbare Einrichtung 5 eine gewisse Länge hat und sich die erste Halteplatte 4 daher nicht frei dreht, so wie sie es im Ruhezustand tut.

[0057] **Fig. 4a** zeigt eine vereinfachte Darstellung des in **Fig. 2** gezeigten Querschnitts, und die **Fig. 4b–Fig. 4c** zeigen weiterhin den Vorgang des Drehens der Klappe. Im Folgenden wird die spezielle Ausführungsform des Stützelements, nämlich der Klappe **7**, im Zusammenhang mit diesen Zeichnungen näher erläutert.

[0058] Wie in **Fig. 4a** gezeigt befindet sich die Klappe **7** in dem Fall, dass sich die Dockingstation **0** im Ruhezustand befindet, vorzugsweise im geschlossenen Zustand. Sie könnte durch ihre ebene Auslegung gut die anderen Bauteile abdecken, so dass sie das Eindringen von Staub und jegliche Beschädigungen verhindert. Es ist anzumerken, dass diese Auslegung dem Betrachter außerdem den Eindruck von Schlichtheit vermittelt.

[0059] Die zweite Torsionsfeder **8** in **Fig. 4a** kann sich im unverformten Zustand befinden. In diesem Fall nimmt der Winkel zwischen dem ersten Arm **81** und dem zweiten Arm **82** der zweiten Torsionsfeder **8** schrittweise ab, um eine Kraft zu erzeugen, wenn der Benutzer versucht, die Klappe **7** in der X-Richtung zu öffnen. Diese Kraft erreicht einen Endwert in dem in **Fig. 4b** gezeigten Zustand, d. h. der Winkel zwischen dem ersten Arm **81** und dem zweiten Arm **82** der zweiten Torsionsfeder **8** erreicht den Minimalwert. Wenn sich die Klappe **7** weiter dreht, da der Winkel zwischen den beiden Armen der zweiten Torsionsfeder **8** schrittweise zunimmt, erreicht die Klappe **7** die in **Fig. 4c** gezeigte offene Position, wenn die zweite Torsionsfeder **8** ihren Ausgangszustand wiederherstellt. Nach Erreichen der offenen Position erhält die Klappe **7** Kontakt mit dem in **Fig. 1** gezeigten vorstehenden Bereich **112**, so dass sie den stabilisierten Zustand erreicht, oder die Rückseite der Klappe **7** erhält Kontakt mit einer bestimmten Position am Sockel **11**, um den stabilisierten Zustand zu erreichen.

[0060] Die zweite Torsionsfeder **8** in **Fig. 4a** kann sich auch im verformten Zustand befinden. In diesem Fall ist der geschlossene Zustand der Klappe **7** stabiler, da der Winkel zwischen dem ersten und dem zweiten Arm geringer als derjenige im Ausgangszustand der zweiten Torsionsfeder **8** ist, und es ist leichter, für den Fall von Stößen oder anderen Situationen den in der Figur gezeigten geschlossenen Zustand beizubehalten. In diesem Fall behält die Klappe **7** den geschlossenen Zustand aus **Fig. 4a** aufgrund des Kontaktes zwischen dem Gummipuffer **6** und dem Sockel **11** und/oder dem Oberflächenkontakt zwischen der Armstruktur **71** an der Basis der Klappe **7** und dem Sockel **11** bei.

[0061] Dem Fachkundigen ist ersichtlich, dass die Klappe **7** lediglich eine von verschiedenen Ausführungsformen des Stützelements ist. Ersatzweise ist die Klappe **7** ein Stützelement, das fest auf dem So-

ckel **11** montiert ist, sich nicht drehen kann und lediglich eine Abstützung für die angedockte tragbare Einrichtung bietet. Außerdem hat das Stützelement nicht unbedingt einen ebenen Aufbau, sondern könnte auch ein Stützstab oder eine Stützeleiste sein. Solange die wirksame Abstützung der tragbaren Einrichtung nach dem Andocken sichergestellt ist, erfüllt dieser Aufbau die erfindungsgemäßen Anforderungen für das Stützelement.

[0062] Mit Bezug auf **Fig. 5** ist hier schematisch die Situation dargestellt, in der eine dickere tragbare Einrichtung an eine erfindungsgemäße Ausführungsform der Dockingstation angedockt wird. Allgemein gesprochen, könnte der Benutzer, da die Ausrichtung des Verbindungsteils **3** im Ruhezustand nicht die Anforderung für das Andocken der tragbaren Einrichtung wie dargestellt erfüllt, der Einfachheit halber die Ausrichtung des Verbindungsteils **3**, nämlich den Winkel der ersten Halteplatte **4**, leicht anpassen, indem er das Schnittstellenteil der tragbaren Einrichtung oder seine Hand benutzt. In dem Fall, dass weder die erste Torsionsfeder **9** noch ein Ersatz dafür vorgesehen ist, werden, wenn der Benutzer beim Andocken der tragbaren Einrichtung die erste Halteplatte **4** übermäßig in die der X-Richtung entgegengesetzte Richtung dreht, der Schwerpunkt der tragbaren Einrichtung und die Klappe auf unterschiedlichen Seiten des Scharniers **41** liegen. In diesem Fall muss der Benutzer zur Stabilisierung des Andockens der tragbaren Einrichtung eventuell die angedockte tragbare Einrichtung so ausrichten, dass sie die frei drehbare erste Halteplatte **4** antreibt, und schließlich dafür sorgen, dass die Rückseite der tragbaren Einrichtung Kontakt mit der Klappe **7** erhält und sich durch die Schwerkraft der tragbaren Einrichtung auf der Klappe **7** abstützt. Wie in **Fig. 6** dargestellt ist offensichtlich, dass die Beschreibung nicht zwischen dem Fall, in dem die tragbare Einrichtung direkten Kontakt mit der Klappe **7** hat, und dem Fall, dass die tragbare Einrichtung Kontakt mit dem an der Klappe **7** montierten Gummipuffer **6** hat, unterscheidet, was nicht bedeutet, dass die von der Erfindung gebotenen technischen Lösungen nicht klar und ausreichend dargelegt wurden.

[0063] **Fig. 7** zeigt ein weiteres Andock-Szenario, das demjenigen in **Fig. 6** entspricht. Hier wird eine dünnere tragbare Einrichtung als in **Fig. 6** dargestellt an die Dockingstation **0** angedockt. Aufgrund der unterschiedlichen Dicke der tragbaren Einrichtungen unterscheiden sich die Winkel der ersten Halteplatte **4** längs der X-Richtung leicht, wenn die tragbaren Einrichtungen an die Dockingstation angedockt werden und Kontakt mit dem Stützelement erhalten.

[0064] **Fig. 8** zeigt schematisch eine seitliche Querschnittsdarstellung der Dockingstation gemäß einer Ausführungsform der Erfindung, und es ist ersichtlich, dass der dargestellte Zustand derart ist, dass

die tragbare Einrichtung **5** nach dem Andocken Kontakt mit dem Kontaktelement, und zwar der Einheit aus dem Gummipuffer **6** und der Klappe **7**, hat. Dabei ist die oben genannte erste Torsionsfeder **9** vorgesehen und an das schattiert dargestellte Scharnier **41** an der ersten Halteplatte **4** montiert, wobei der erste Arm **91** Kontakt mit dem vorstehenden Bereich **43** und der zweite Arm **92** Kontakt mit der Innenfläche der Oberseite des Sockels **11** hat. In diesem Zustand ist der Abstand zwischen dem Ende des ersten Arms und dem Ende des zweiten Arms der ersten Torsionsfeder **9** geringer als derjenige im Ausgangszustand, und die erste Torsionsfeder **9** erhält zur Wiederherstellung des Ausgangszustands eine Kraft aufrecht und übt diese Kraft durch den ersten Arm und den zweiten Arm auf die erste Halteplatte **4** und den Sockel **11** aus. Aufgrund der Tatsache, dass der Sockel **11** feststehend ist, wird die Spannung vollständig dazu verwendet, für die erste Halteplatte **4** eine Neigung zur Drehung in der der X-Richtung entgegengesetzten Richtung zu erzeugen. Da die tragbare Einrichtung **5** an der Dockingstation angedockt ist, wird sie sich also unter der Einwirkung der ersten Torsionsfeder **9** stabil auf dem Gummipuffer **6** abstützen. Nachdem der Benutzer die Benutzung beendet hat und im Begriff ist, die tragbare Einrichtung **5** zu entnehmen, kann der Benutzer die tragbare Einrichtung in die X-Richtung drehen, sie anschließend herausnehmen und zum Lagern der Dockingstation **0** die Klappe **7** schließen.

[0065] Es ist anzumerken, dass für den Fachkundigen ersichtlich ist, dass sich die vorliegende Erfindung nicht auf die Einzelheiten der schematischen Ausführungsform beschränkt. Die vorliegende Erfindung kann durch andere spezifische Ausführungsformen ausgeführt werden, ohne dass der Rahmen der vorliegenden Erfindung verlassen wird. Die Ausführungsformen sind daher in jeglichem Aspekt als beispielhaft und nicht als einschränkend zu betrachten. Jegliche in den Ansprüchen aufgeführten Bezugszeichen bedeuten keine Einschränkung des Rahmens der Erfindung. Ferner schließt das Wort "mit" nicht andere Bauteile oder Schritte aus, und der unbestimmte Artikel "ein" oder "eine" schließt nicht eine Vielzahl aus. Die Wörter erste(r), zweite(r) usw. werden als Bezeichnung verwendet und geben keine bestimmte Reihenfolge wieder.

Schutzansprüche

1. Dockingstation (**0**) für tragbare Einrichtungen mit:

- einem Sockel (**11**),
- einem Dockingelement (**3**) zum Andocken einer tragbaren Einrichtung, das drehbar auf den genannten Sockel (**11**) montiert wird,
- einem Stützelement (**7**), das auf den genannten Sockel (**11**) montiert ist, mit einem Gummipuffer (**6**) zur Abstützung der tragbaren Einrichtung über den ge-

nannten Gummipuffer (**6**), wenn sie an das genannte Dockingelement (**3**) angedockt wird.

2. Dockingstation nach Anspruch 1, dadurch gekennzeichnet, dass die Dockingstation ferner eine erste Halteplatte (**4**) umfasst, die mit dem genannten Sockel (**11**) drehbar verbunden ist, wobei das genannte Dockingelement (**3**) in die genannte erste Halteplatte montiert ist und zusammen mit der genannten ersten Halteplatte drehbar ist, wobei das genannte Dockingelement (**3**) mit dem genannten Sockel (**11**) indirekt drehbar verbunden ist.

3. Dockingstation nach Anspruch 2, dadurch gekennzeichnet, dass die Dockingstation ferner ein elastisches Element (**9**) umfasst, wobei ein erster Teil des genannten elastischen Elements Kontakt mit der genannten ersten Halteplatte und ein zweiter Teil des elastischen Elements Kontakt mit dem genannten Sockel hat, und wobei sich die genannte tragbare Einrichtung aufgrund der durch das elastische Element auf die erste Halteplatte ausgeübten Kraft auf dem genannten Stützelement abstützt, wenn die genannte tragbare Einrichtung mit dem genannten Dockingelement verbunden wird und Kontakt mit dem genannten Stützelement erhält.

4. Dockingstation nach Anspruch 3, dadurch gekennzeichnet, dass die genannte erste Halteplatte (**4**) mit einem vorstehenden Bereich versehen ist, wobei das genannte elastische Element eine erste Torsionsfeder ist, die auf eine Drehachse zwischen der genannten ersten Halteplatte und dem genannten Sockel montiert ist, wobei der erste Teil der genannten ersten Torsionsfeder der erste Arm der ersten Torsionsfeder ist, wobei der zweite Teil der genannten ersten Torsionsfeder der zweite Arm der ersten Torsionsfeder ist und wobei der genannte erste Arm Kontakt mit dem genannten vorstehenden Bereich hat.

5. Dockingstation nach Anspruch 2, dadurch gekennzeichnet, dass die Position der Drehachse derart ist, dass der Schwerpunkt der genannten tragbaren Einrichtung und das Stützelement auf derselben Seite der Drehachse liegen, wenn die genannte tragbare Einrichtung an das genannte Dockingelement angedockt wird und Kontakt zu dem genannten Stützelement erhält, wobei sich die genannte tragbare Einrichtung durch die Wirkung der Schwerkraft der tragbaren Einrichtung selbst auf dem genannten Stützelement abstützt.

6. Dockingstation nach Anspruch 2, dadurch gekennzeichnet, dass die Dockingstation ferner eine zweite Halteplatte (**1**) umfasst, die unterhalb der genannten ersten Halteplatte (**4**) montiert und auf dem genannten Sockel befestigt ist, und dass die genannte erste Halteplatte (**4**) derart Kontakt mit der genannten zweiten Halteplatte (**1**) hat, dass sie die weitere Drehung der ersten Halteplatte (**4**) begrenzt, wenn

sich die erste Halteplatte (4) bis zu einem vorbestimmten Winkel dreht.

7. Dockingstation nach Anspruch 1, dadurch gekennzeichnet, dass das genannte Stützelement eine ebene Struktur aufweist und auf dem genannten Sockel drehbar montiert ist, und das Stützelement die genannte erste Halteplatte und die genannten Dockingelemente abdeckt, wenn sich das genannte Stützelement in einen geschlossenen Zustand dreht.

8. Dockingstation nach Anspruch 7, dadurch gekennzeichnet, dass die Basis des genannten Stützelements eine Armstruktur mit einem Scharnier aufweist und über das Scharnier drehbar auf den genannten Sockel montiert ist, wobei die genannte Dockingstation ferner eine zweite Torsionsfeder umfasst, die an dem genannten Scharnier an der Basis des genannten Stützelements montiert ist, wobei die genannte zweite Torsionsfeder einen ersten und einen zweiten Arm aufweist, wobei der erste Arm an dem genannten Sockel und der genannte zweite Arm an dem Ende der genannten Armstruktur montiert ist, wobei die Verformung der genannten zweiten Torsionsfeder zunimmt, wenn das sich das genannte Stützelement von dem geschlossenen Zustand in die offene Position dreht, wobei die Verformung der genannten zweiten Torsionsfeder einen Extremwert erreicht, wenn sich das genannte Stützelement bis zu einem vorbestimmten Winkel in Richtung der offenen Position dreht, und wobei die genannte zweite Torsionsfeder das genannte Stützelement antreibt, so dass es sich in einen offenen Zustand dreht, um die Verformung zu überwinden, wenn sich das genannte Stützelement weiter in Richtung der offenen Position dreht.

9. Multimedia-System, dadurch gekennzeichnet, dass das System eine tragbare Einrichtung und eine Dockingstation gemäß einem der Ansprüche 1 bis 8 umfasst.

Es folgen 8 Blatt Zeichnungen

Anhängende Zeichnungen

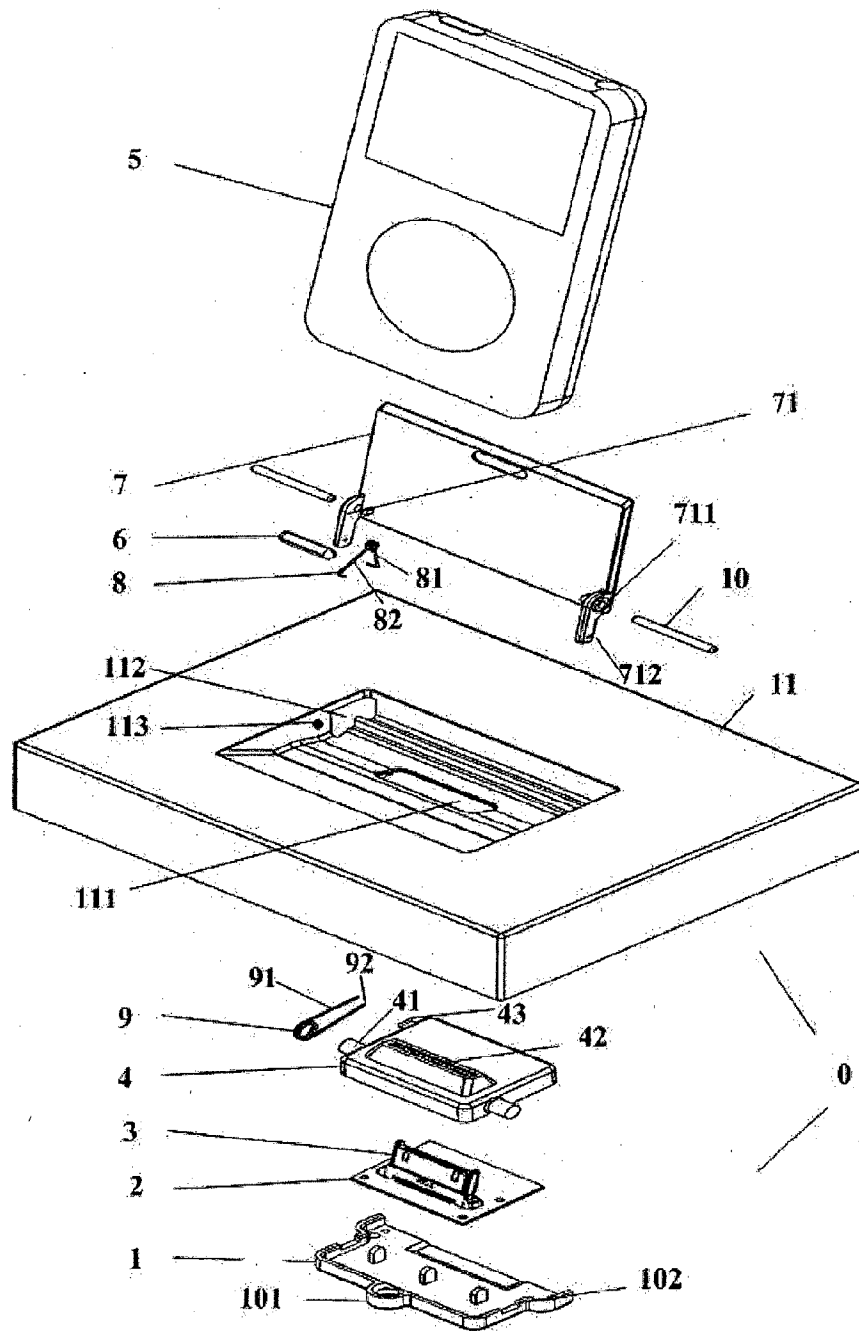


FIG. 1

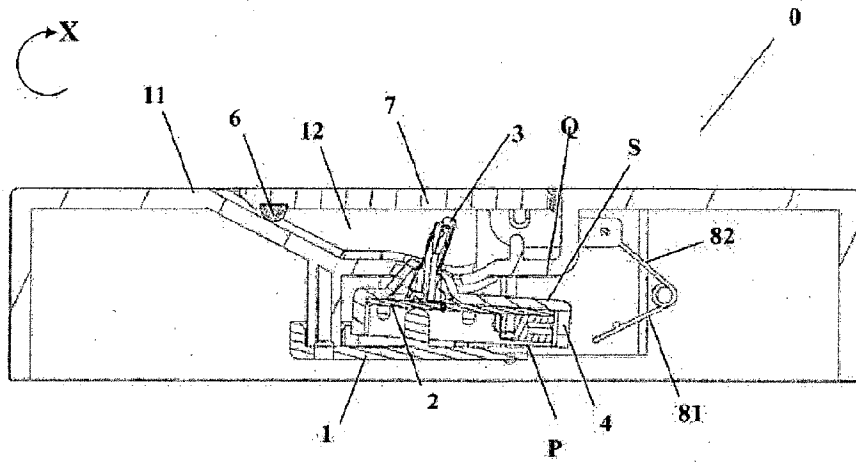


FIG. 2

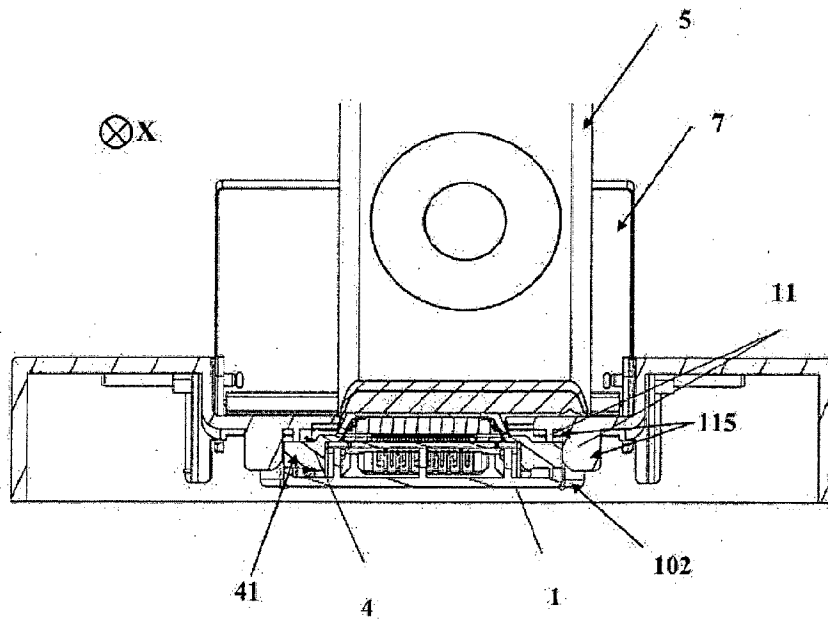


FIG. 3

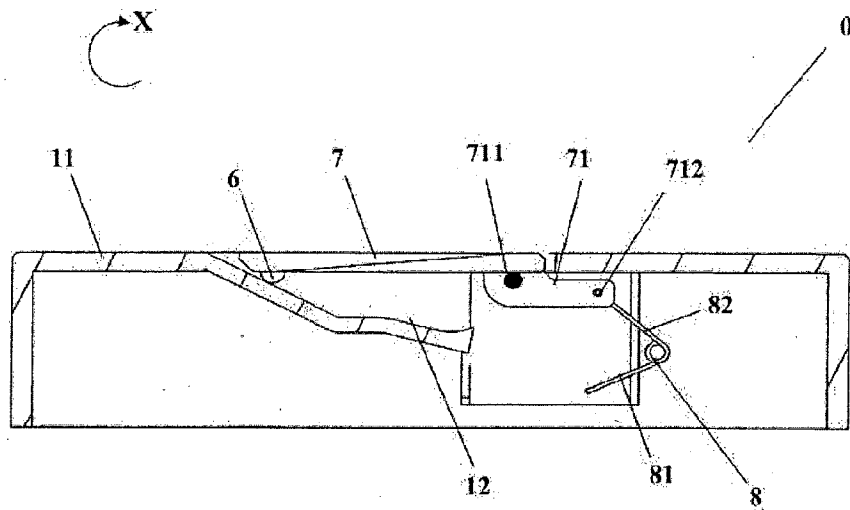


FIG. 4a

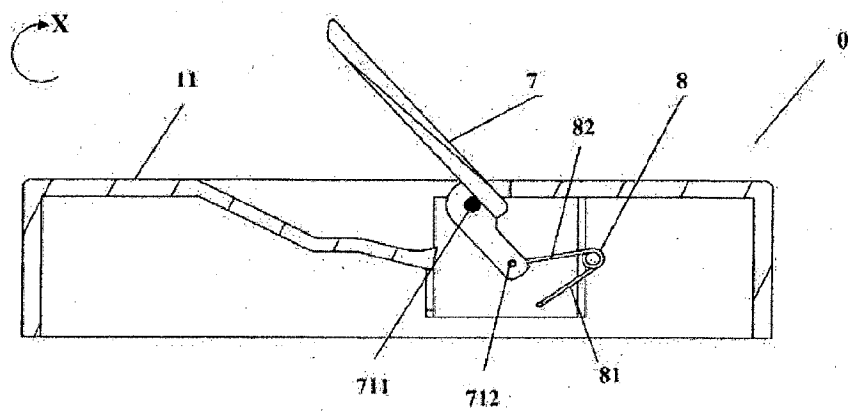


FIG. 4b

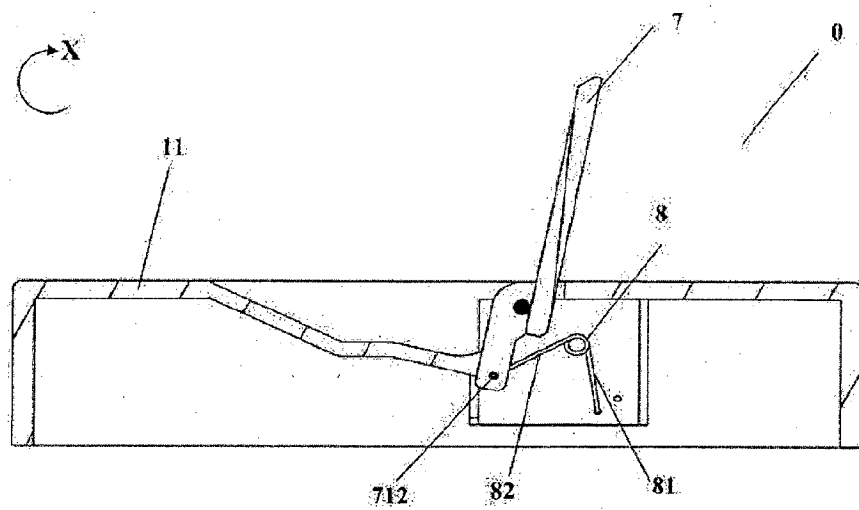


FIG. 4c

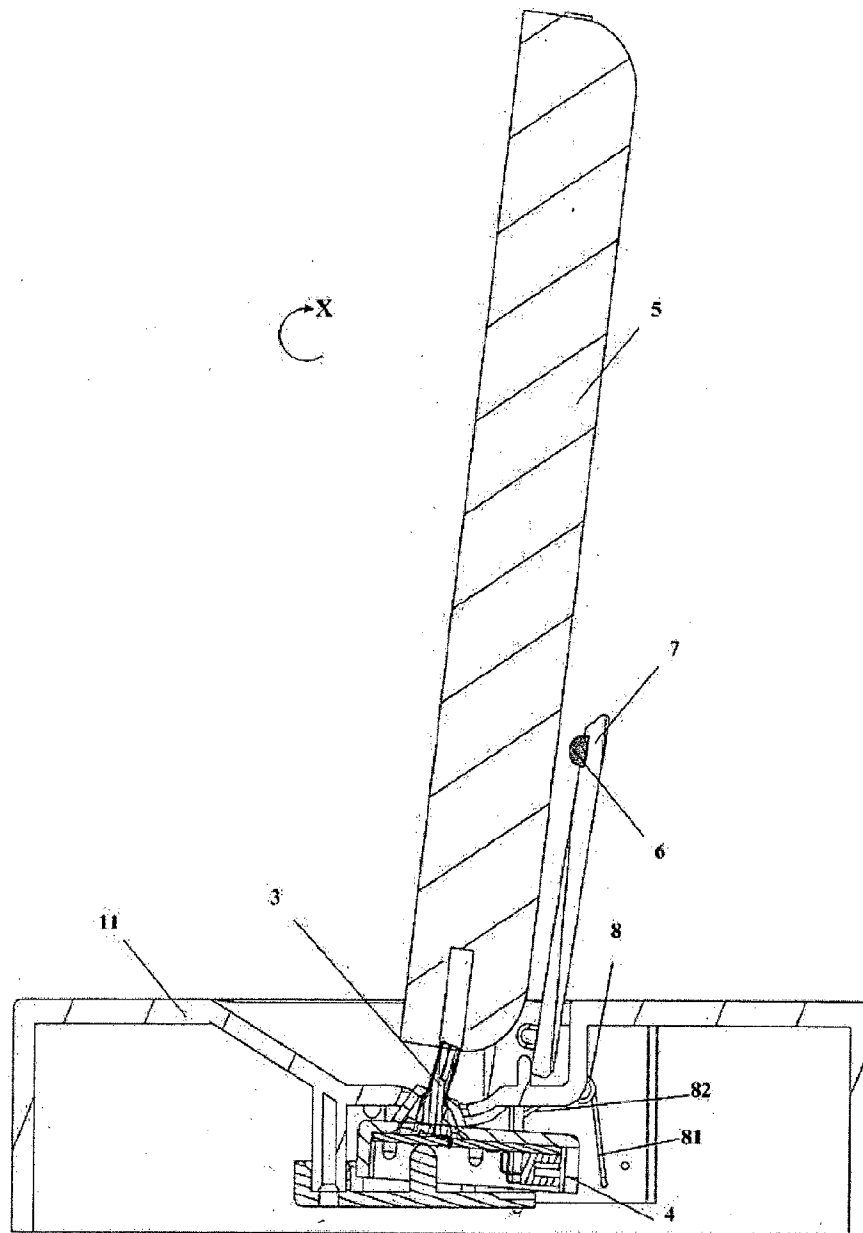


FIG.5

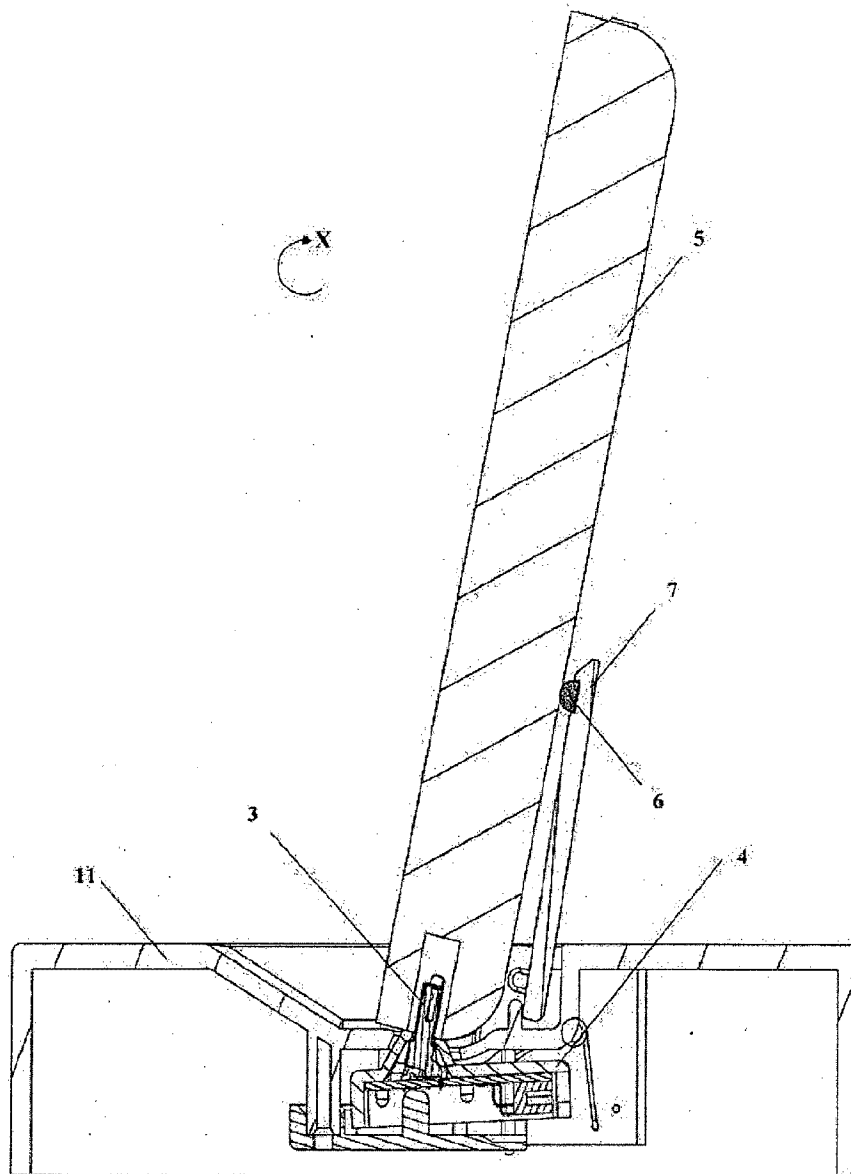
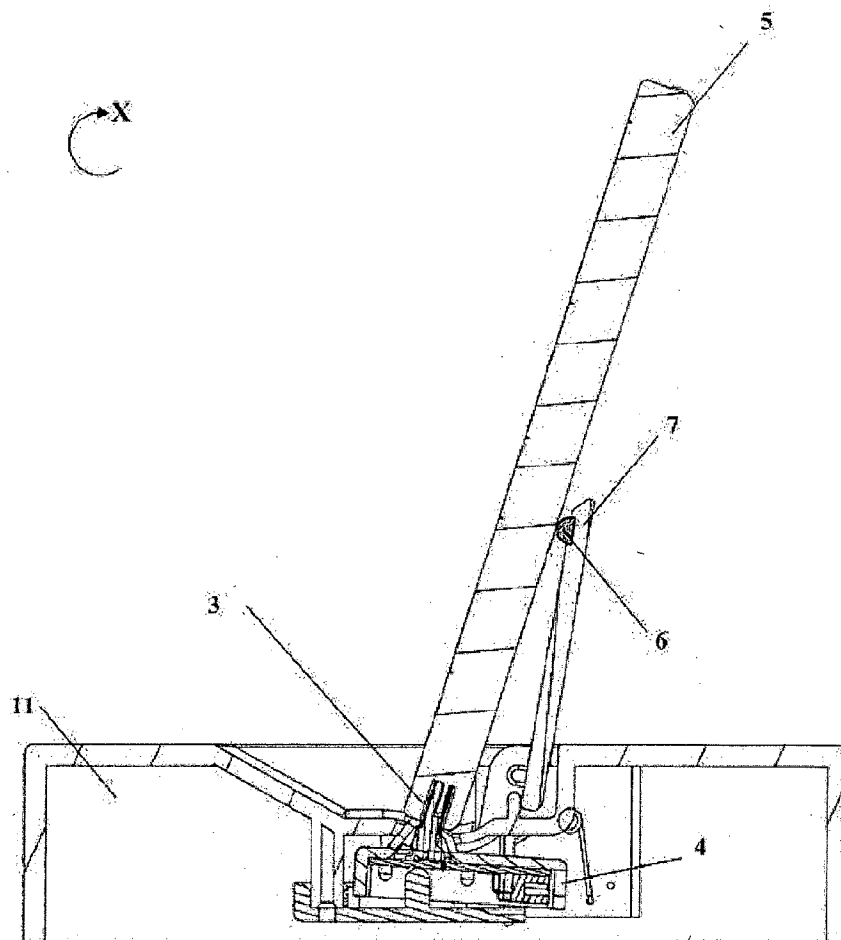


FIG. 6



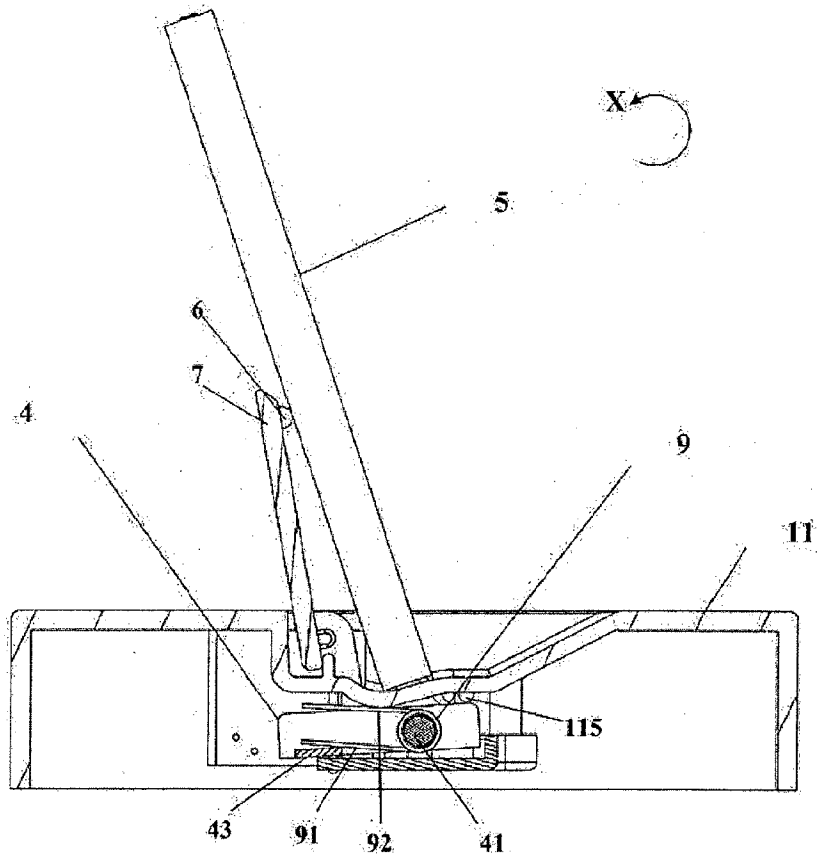


FIG. 8

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	Filing Date		2012-02-15	
	First Named Inventor	ALDANA, Leonardo		
	Art Unit	2835		
	Examiner Name			
	Attorney Docket Number	PAT 101419-2		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13397486
Filing Date	2012-02-15
First Named Inventor	ALDANA, Leonardo
Art Unit	2835
Examiner Name	
Attorney Docket Number	PAT 101419-2

1	Extended European Search Report dated August 22, 2012, issued from the corresponding EP patent application No 12155508.0.	☐
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- ☐ A certification statement is not submitted herewith.

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Signature	/Lesley M. Morrison/	Date (YYYY-MM-DD)	2012-11-21
Name/Print	Lesley M. Morrison	Registration Number	50217

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FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)		RATE (\$)	FEE (\$)		
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A		OR	N/A			
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	N/A					
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☐ APPLICATION SIZE FEE (37 CFR 1.16(s))			If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 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).						
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	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =		OR	X \$ =		
☐ Application Size Fee (37 CFR 1.16(s))								OR			
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								OR			
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/ADRIANE WINSTON/

1/16

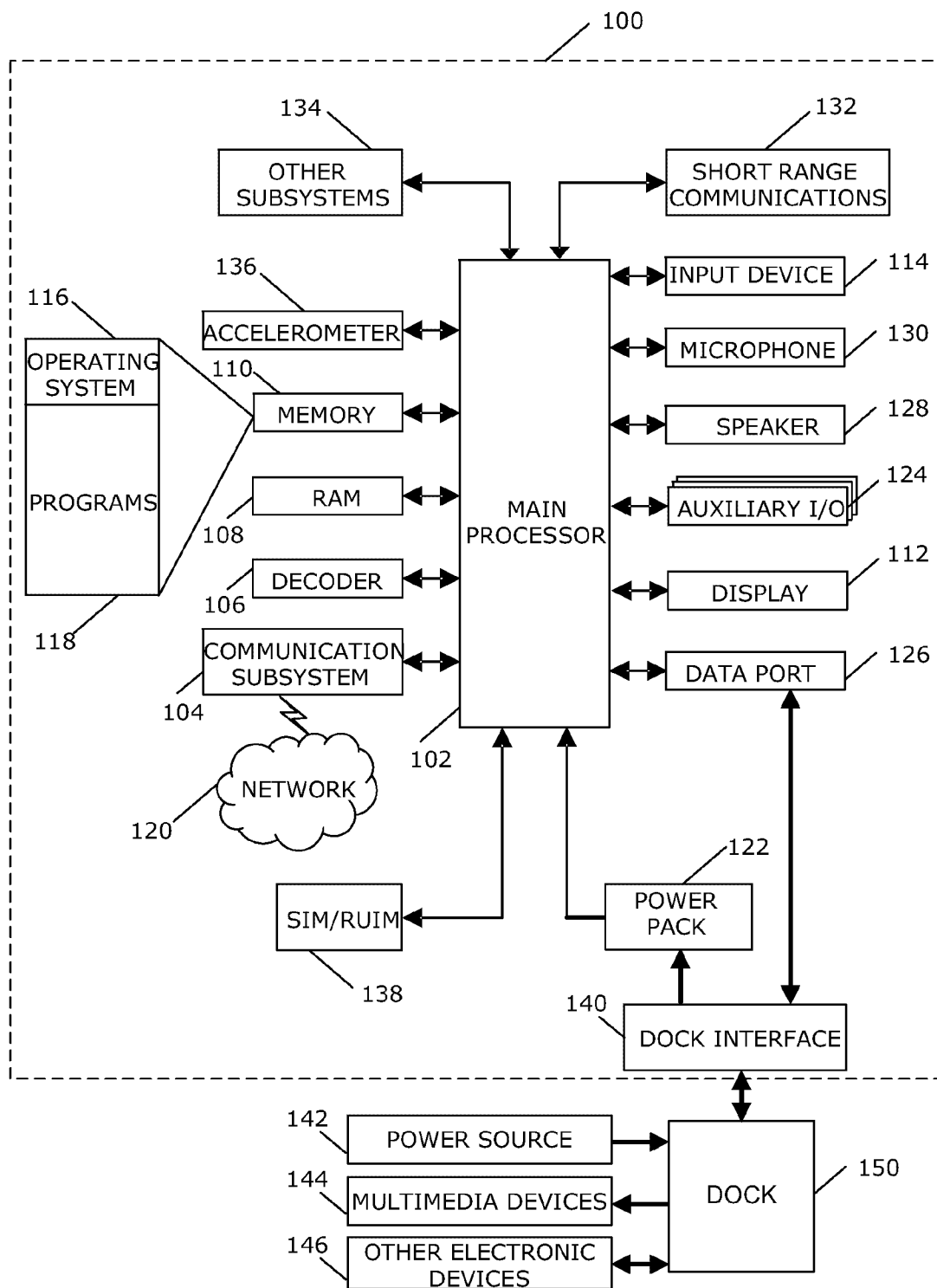


FIG. 1

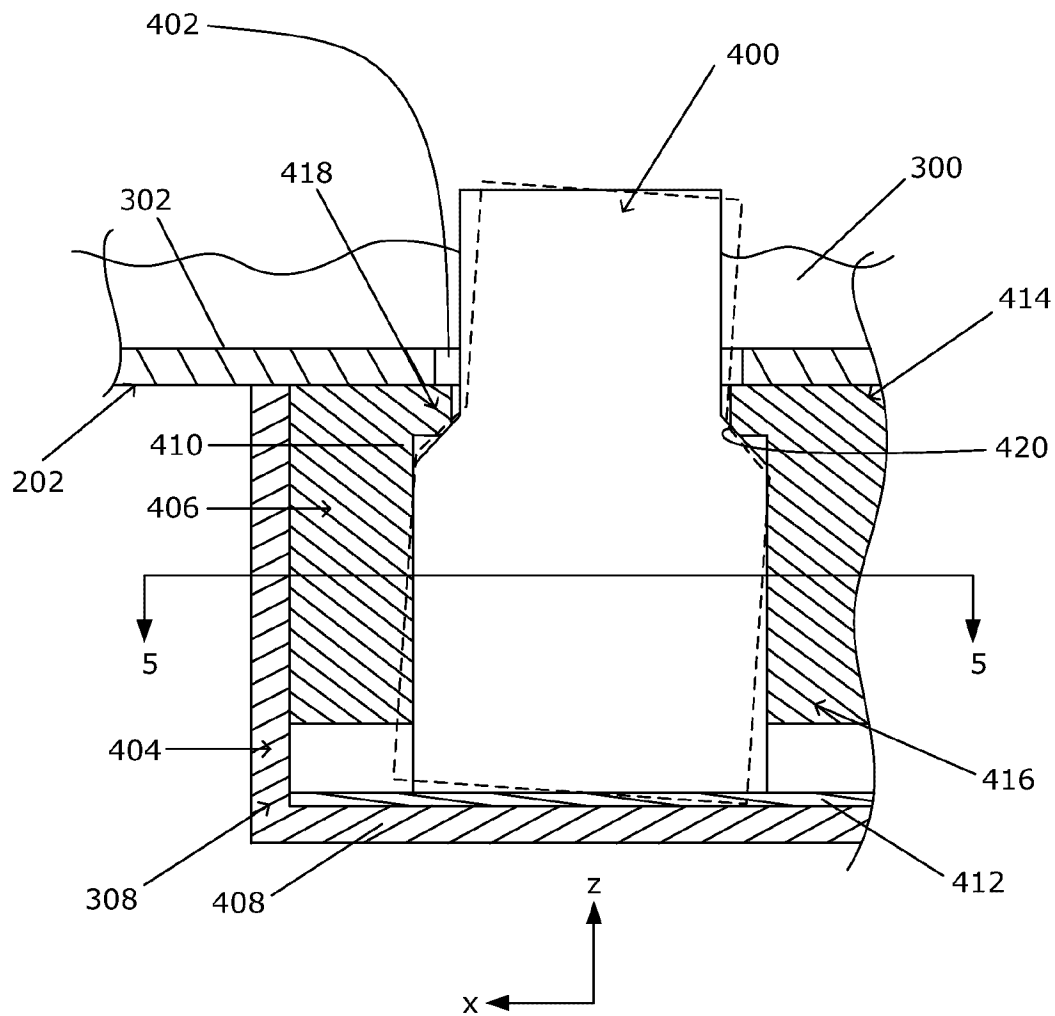


FIG. 4

7/16

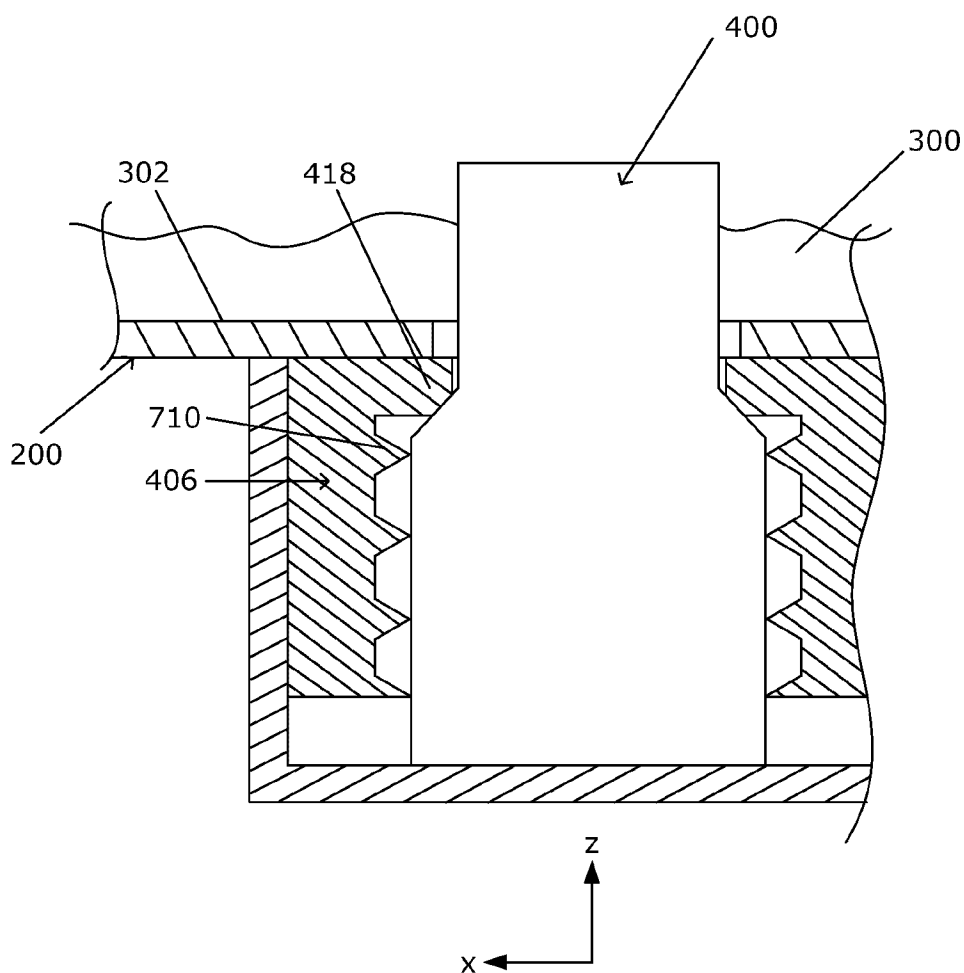
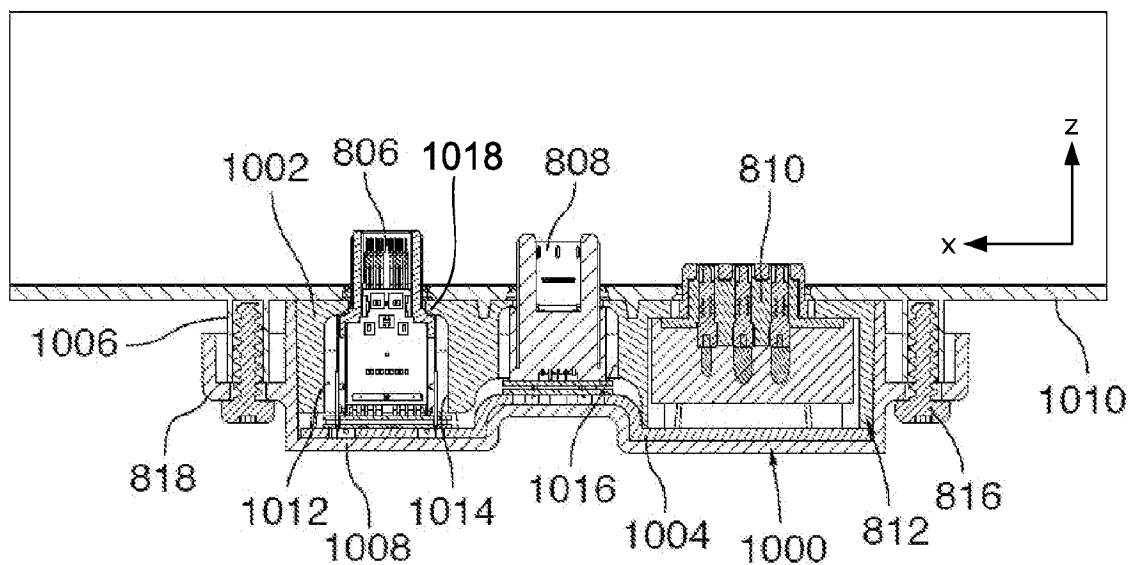


FIG. 7

FIG. 10



12/16

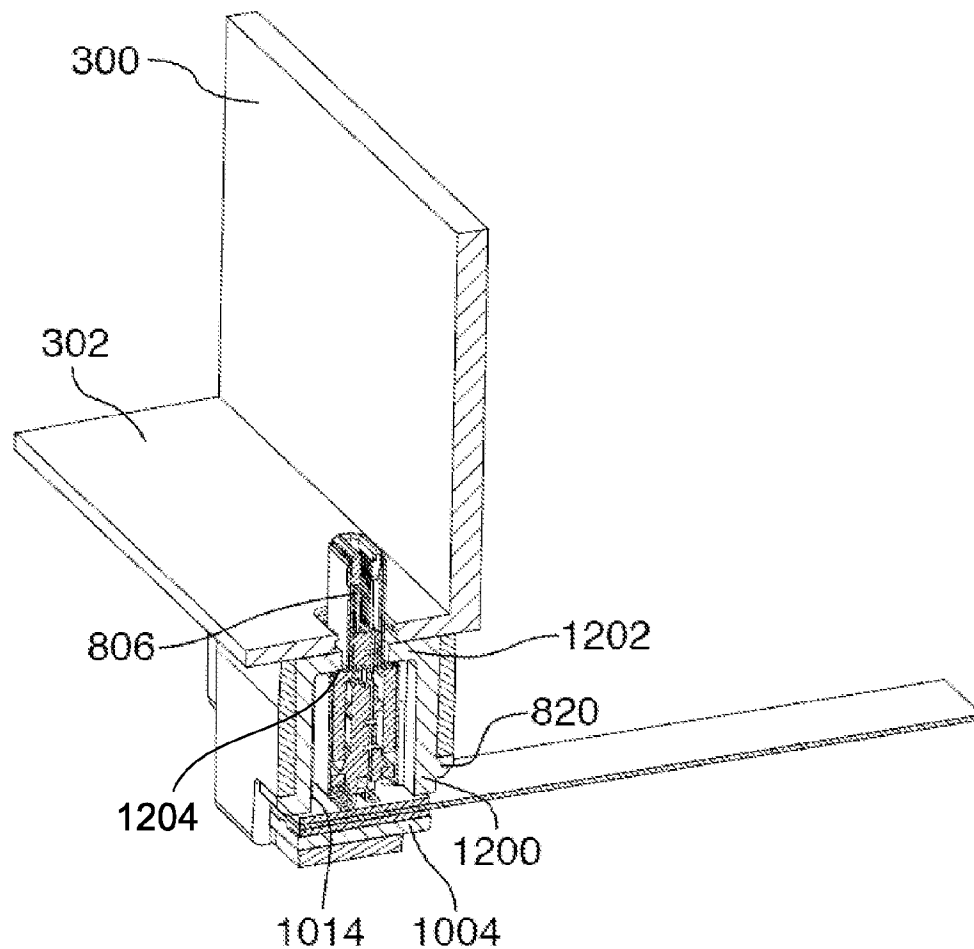


FIG. 12

Amendment to the Drawings

The attached replacement sheets, which include Figures 1, 4, 7, 10 and 12 , replace the original sheets as filed on February 15, 2012.

Remarks / Arguments

Applicants hereby request that the replacement drawing pages, including figures 1, 4, 7, 10 and 12, submitted herewith be added to the present application and figures 1, 4, 7, 10 and 12 of the present application be cancelled.

The replacement drawing pages, including figures 1, 4, 7, 10 and 12, were previously incorporated by reference and contain no new matter.

The Commissioner is hereby authorized to charge any additional fees, and credit any over payments, to Deposit Account No. 501593, in the name of Borden Ladner Gervais LLP.

Respectfully submitted,

ALDANA, Leonardo et al.

By: /Lesley Morrison/
Lesley Morrison
Reg. No. 50,217
Borden Ladner Gervais LLP
1200 Waterfront Centre
200 Burrard Street
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CANADA
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E-mail: ipmailvancouver@blg.com

LMM/AF
Encl.

1. Replacement Figures 1, 4, 7, 10
and 12 – Sheets 1, 4, 7, 10 and 12

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ALDANA, Leonardo; MA, Ming-Lun, Dave; WENNEMER, Dietmar
Frank; SIMOES, Felipe Oliveira
Serial No.: 13/397,486
Filed: February 15, 2012
Title: DOCK FOR A PORTABLE ELECTRONIC DEVICE
Group: 2835
Examiner:
Attorney Ref.: PAT 101419-2 US

November 6, 2012

VIA ELECTRONIC SUBMISSION

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria VA 22314-1450
USA

PRELIMINARY AMENDMENT

Please amend the above-identified application as follows:

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

Remarks/Arguments begin on page 3 of this paper.

Electronic Acknowledgement Receipt

EFS ID:	14165548
Application Number:	13397486
International Application Number:	
Confirmation Number:	2018
Title of Invention:	DOCK FOR A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Leonardo ALDANA
Customer Number:	89107
Filer:	Lesley Meredith Morrison/Anett Fabian
Filer Authorized By:	Lesley Meredith Morrison
Attorney Docket Number:	PAT 101419-2
Receipt Date:	06-NOV-2012
Filing Date:	15-FEB-2012
Time Stamp:	19:23:24
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		PAT_101419_2_Letter_to_USP TO_Preliminary_Amendment_ Drawings.pdf	82208 eb11b67d0a1076b25a05d4669ec5f68ab8a 4aaf3	yes	3

Multipart Description/PDF files in .zip description					
Document Description			Start	End	
Preliminary Amendment			1	1	
Drawings-only black and white line drawings			2	2	
Applicant Arguments/Remarks Made in an Amendment			3	3	
Warnings:					
Information:					
2	Consent of Assignee accompanying the declaration	PAT_101419_2_Drawings_for_Preliminary_Amendment.pdf	158724	no	5
			3974bd9b3ee73a40c915b487a33d9cb4288fce0b		
Warnings:					
Information:					
Total Files Size (in bytes):			240932		
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. <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. <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. <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.					



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
13/397,486	02/15/2012	2835	1380	PAT 101419-2	20	2

CONFIRMATION NO. 2018

UPDATED FILING RECEIPT



OC000000055161176

89107

Borden Ladner Gervais LLP
1200 Waterfront Centre
200 Burrard Street, P.O. Box 48600
Vancouver, BC V7X 1T2
CANADA

Date Mailed: 07/05/2012

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**

Applicant(s)

Leonardo ALDANA, Waterloo, CANADA;
Ming-Lun Dave MA, Kitchener, CANADA;
Dietmar Frank WENNEMER, Waterloo, CANADA;
Felipe Oliveira SIMOES, Kitchener, CANADA;

Assignment For Published Patent Application

RESEARCH IN MOTION LIMITED, Waterloo, CANADA

Power of Attorney: The patent practitioners associated with Customer Number 89107

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/503,451 06/30/2011

Foreign Applications (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.)

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 02/29/2012

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/397,486**

Projected Publication Date: 01/03/2013

Non-Publication Request: No

Early Publication Request: No

page 1 of 3

Title

DOCK FOR A PORTABLE ELECTRONIC DEVICE

Preliminary Class

361

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 (1-866-999-4158).

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page 2 of 3

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UNITED STATES PATENT AND TRADEMARK OFFICE

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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/397,486	02/15/2012	Leonardo ALDANA	PAT 101419-2

CONFIRMATION NO. 2018

POA ACCEPTANCE LETTER

89107
Borden Ladner Gervais LLP
1200 Waterfront Centre
200 Burrard Street, P.O. Box 48600
Vancouver, BC V7X 1T2
CANADA



Date Mailed: 07/05/2012

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 06/27/2012.

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.

/gbien-aime/

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

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: ALDANA, Leonardo et al.

Application No./Patent No.: 13/397,486

Filed/Issue Date: February 15, 2012

Titled:

DOCK FOR A PORTABLE ELECTRONIC DEVICE

RESEARCH IN MOTION LIMITED

, a corporation

(Name of Assignee)

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

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
 2. ☐ an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
 3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)
- the patent application/patent identified above, by virtue of either:

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 therefore is attached.

OR

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.

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.

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

☒ As required by 37 CFR 3.73(b)(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.

/Geoffrey deKleine/

June 27, 2012

Signature

Date

Geoffrey deKleine

Agent of Record

Printed or Typed Name

Title

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.

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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.

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

ALDANA, Leonardo, 295 Phillip Street, Ext. 74332, Waterloo, Ontario, N2L 3W8, Canada

MA, Ming-Lun Dave, 295 Phillip Street, Ext. 76574, Waterloo, Ontario, N2L 3W8, Canada

WENNEMER, Dietmar Frank, 295 Phillip Street, Ext. 78031, Waterloo, Ontario, N2L 3W8, Canada

SIMOES, Felipe Oliveira, 295 Phillip Street, Ext. 72417, Waterloo, Ontario, N2L 3W, Canada,

am an/are inventor(s) of an invention entitled "**DOCK FOR A PORTABLE ELECTRONIC DEVICE**" ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

US, APPLICATION # 61/503451, FILED JUNE 30, 2011

US, APPLICATION # 13/397486, FILED FEBRUARY 15, 2012

EP, APPLICATION # 12155508.0, FILED FEBRUARY 15, 2012

CA, APPLICATION # _____, FILED _____, 2012

CN, APPLICATION # _____, FILED _____, 2012

IN, APPLICATION # _____, FILED _____, 2012

KR, APPLICATION # _____, FILED _____, 2012

MX, APPLICATION # _____, FILED _____, 2012

AND WHEREAS, **RESEARCH IN MOTION LIMITED**, (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 295 Phillip Street, Waterloo, Ontario, N2L 3W8, Canada, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; inclusive of any and all priority rights, including the right to claim priority, derived from the Applications; any further applications for patent, design

registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more

counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:


ALDANA, Leonardo,
295 Phillip Street, Ext. 74332,
Waterloo, Ontario,
N2L 3W8, Canada

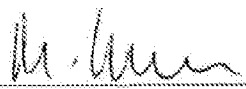
Date: 2012/06/21

STATEMENT BY WITNESS

I, Madeline Luke, whose full Post Office address is

35 Elgin St. Waterloo ON N2J 2P9 Canada
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.


(Signature of Witness)

Date: June 21, 2012

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Dave M. Ma
MA, Ming-Lun Dave,
295 Phillip Street, Ext. 76574,
Waterloo, Ontario,
N2L 3W8, Canada

Date: JUNE 21, 2012

STATEMENT BY WITNESS

I, Madeline Kube, whose full Post Office address is

35 Elgin St. Waterloo ON N2Z 2P2 Canada
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

M-Kube
(Signature of Witness)

Date: June 21, 2012

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:


WENNEMER, Dietmar Frank,
295 Phillip Street, Ext. 78031,
Waterloo, Ontario,
N2L 3W8, Canada

Date: 20 June 2012

STATEMENT BY WITNESS

I, Madeline Kuldre, whose full Post Office address is

35 Elgin St. Waterloo ON N2J 2P9 Canada
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.


(Signature of Witness)

Date: June 21, 2012

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Felipe Oliveira Simoes

Date: JUNE 21/2012

SIMOES, Felipe Oliveira,

295 Phillip Street, Ext. 72417,

Waterloo, Ontario,

N2L 3W, Canada,

STATEMENT BY WITNESS

I, Madeline Kulche, whose full Post Office address is

35 Elgin St. Waterloo ON N2J 2P2 Canada
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

M Kulche

(Signature of Witness)

Date: June 21, 2012

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.

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)	Docket Number (Optional) PAT 101419-2
Application Number 13/397,486	Filed February 15, 2012
For DOCK FOR A PORTABLE ELECTRONIC DEVICE	
Art Unit 2835	Examiner

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

	<u>Fee</u>	<u>Small Entity Fee</u>	
☐ One month (37 CFR 1.17(a)(1))	\$150	\$75	\$ _____
☒ Two months (37 CFR 1.17(a)(2))	\$560	\$280	\$ <u>560.00</u>
☐ Three months (37 CFR 1.17(a)(3))	\$1270	\$635	\$ _____
☐ Four months (37 CFR 1.17(a)(4))	\$1980	\$990	\$ _____
☐ Five months (37 CFR 1.17(a)(5))	\$2690	\$1345	\$ _____

☐ Applicant claims small entity status. See 37 CFR 1.27.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 501593.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the ☐ applicant/inventor.

☐ assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).

☒ attorney or agent of record. Registration Number 50216

☐ attorney or agent under 37 CFR 1.34.
Registration number if acting under 37 CFR 1.34 _____

/Geoffrey deKleine/

Signature

Geoffrey deKleine

Typed or printed name

June 27, 2012

Date

604-640-4227

Telephone Number

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.136(a). 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 6 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.

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.
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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.
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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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ALDANA, Leonardo; MA, Ming-Lun, Dave; WENNEMER, Dietmar
Frank; SIMOES, Felipe Oliveira
Serial No.: 13/397,486
Filed: February 15, 2012
Title: DOCK FOR A PORTABLE ELECTRONIC DEVICE
Group: 2835
Examiner:
Attorney Ref.: PAT 101419-2

June 27, 2012

Commissioner for Patents
United States Patent and Trademark Office
Mail Stop Missing Parts
P.O. Box 1450
Alexandria VA 22313-1450
USA

RESPONSE TO NOTICE TO FILE MISSING PARTS

In response to the Notice to File Missing Parts dated March 2, 2012, for which a response is due by **July 2, 2012**, including a 2 month extension of time Applicant submits an executed Declaration. Furthermore, Applicant submits a Statement of Ownership as well as a Power of Attorney for filing with the Declaration.

The Commissioner is hereby authorized to charge any additional fees, and credit any over payments to Deposit Account No. 501593, in the name of Borden Ladner Gervais LLP.

Respectfully submitted,

ALDANA, Leonardo et al.

By: /Geoffrey deKleine/

Geoffrey deKleine

Reg. No. 50,216

Borden Ladner Gervais LLP

1200 Waterfront Centre

200 Burrard Street

Vancouver, BC V7X 1t2

CANADA

Tel: (604) 640-4227

Fax: (778) 329.0752

E-mail: ipmailvancouver@blg.com

GDK/AF/AF

Encl.

1. Executed Declaration
2. Power of Attorney and Statement

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

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	PAT 101419-2 (41945-US-PAT)
		First Named Inventor	ALDANA, Leonardo
☐ Declaration Submitted With Initial Filing OR ☒ Declaration Submitted After Initial Filing (surcharge (37 CFR 1.16(f)) required)		COMPLETE IF KNOWN	
		Application Number	13/397,486
		Filing Date	02/15/2012
		Art Unit	2835
		Examiner Name	

I hereby declare that: (1) Each inventor's residence, mailing address, and citizenship are as stated below next to their name; and (2) I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

DOCK FOR A PORTABLE ELECTRONIC DEVICE

(Title of the Invention)

the application of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 02/15/2012 as United States Application Number or PCT International

Application Number 13/397,486 and was amended on (MM/DD/YYYY) _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Authorization To Permit Access To Application by Participating Offices

☒ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified patent application is filed to have access to the above-identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

[Page 1 of 3]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 21 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.

DECLARATION — Utility or Design Patent Application**Claim of Foreign Priority Benefits**

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐

☐ Additional foreign application number(s) are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

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

DECLARATION — Utility or Design Patent Application

Direct all correspondence to:	☒ The address associated with Customer Number:	89107	OR	☐ Correspondence address below
Name				
Address				
City		State	Zip	
Country	Telephone		Email	
WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: <i>Patent Application Files</i>. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: <i>Deposit Accounts and Electronic Funds Transfer Profiles</i>. 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 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.				
NAME OF SOLE OR FIRST INVENTOR:		☐ A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Leonardo		ALDANA		
Inventor's Signature		Date		
		2012/06/21		
Residence: City	State	Country	Citizenship	
Waterloo	ON	Canada	Canadian and Mexican	
Mailing Address				
295 Phillip Street, Ext. 74332				
City	State	Zip	Country	
Waterloo	ON	N2L 3W8	Canada	
☒ Additional inventors or a legal representative are being named on the <u>1</u> supplemental sheet(s) PTO/SB/02A or 02LR attached hereto				

[Page 3 of 3]

DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet	
		Page <u>1</u> of <u>1</u>	
Name of Additional Joint Inventor, if any:		☐ A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Ming-Lun Dave		MA	
Inventor's Signature <i>Dave M. Ma</i>		Date <i>JUNE 21, 2012</i>	
Kitchener Residence: City	ON State	Canada Country	Canadian Citizenship
295 Phillip Street, Ext. 76574			
Mailing Address			
Waterloo City	ON State	N2L 3W8 Zip	Canada Country
Name of Additional Joint Inventor, if any:		☐ A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Dietmar Frank		WENNEMER	
Inventor's Signature <i>[Signature]</i>		Date <i>21-June-12</i>	
St. Agatha Residence: City	ON State	Canada Country	German Citizenship
295 Phillip Street, Ext. 78031			
Mailing Address			
Waterloo City	ON State	N2L 3W8 Zip	Canada Country
Name of Additional Joint Inventor, if any:		☐ A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Felipe Oliveira		SIMOES	
Inventor's Signature <i>Felipe Oliveira Simoes</i>		Date <i>June 21/2012</i>	
Kitchener Residence: City	ON State	Canada Country	Canadian Citizenship
295 Phillip Street, Ext. 72417			
Mailing Address			
Waterloo City	ON State	N2L 3W8 Zip	Canada Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 21 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 (1-800-786-9199) and select option 2.

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.
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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(b).

I hereby appoint:



Practitioners associated with the Customer Number:

89107

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 assignment documents attached to this form in accordance with 37 CFR 3.73(b).

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



The address associated with Customer Number:

89107

OR



Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

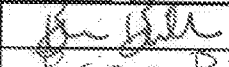
Assignee Name and Address:

Research In Motion Limited, 295 Phillip Street, Waterloo, Ontario, N2L 3W8, CANADA

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, 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	JULY 17/09
Name	Brian Bidulka	Telephone	519-888-7465
Title	Chief Accounting Officer, Research In Motion Limited		

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.

Legal OK

S.D. M.A.

RIM OK

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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.

NIM OK

Electronic Acknowledgement Receipt	
EFS ID:	13124976
Application Number:	13397486
International Application Number:	
Confirmation Number:	2018
Title of Invention:	DOCK FOR A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Leonardo ALDANA
Customer Number:	89107
Filer:	Geoffrey Bernard Charles deKleine/Anett Fabian
Filer Authorized By:	Geoffrey Bernard Charles deKleine
Attorney Docket Number:	PAT 101419-2
Receipt Date:	27-JUN-2012
Filing Date:	15-FEB-2012
Time Stamp:	20:17:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$560
RAM confirmation Number	9578
Deposit Account	501593
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Applicant Response to Pre-Exam Formalities Notice	PAT_101419_2_Response_to_NTFMP.pdf	78825 1babb1415c509140570efa3410707bacaf3d365d	no	1
Warnings:					
Information:					
2	Extension of Time	PAT_101419_2_Extension_of_time.pdf	297481 5d24673e873c64a1d040d10094addac1f1dac859	no	2
Warnings:					
Information:					
3	Oath or Declaration filed	PAT_1201419_2_Executed_Declaration.pdf	775504 ee17b1da05ed883b2f87746469400f96407e03b2	no	5
Warnings:					
Information:					
4	Assignee showing of ownership per 37 CFR 3.73(b).	PAT_1201419_2_Statement_with_Assignment.pdf	423566 ac147a82df289c269c28af1f026e75df8ab9976e	no	9
Warnings:					
Information:					
5	Power of Attorney	GP_53671_USPTO_Signed_General_POA_RIM_Vancouver_89107.pdf	327854 b8ae2f3257aaec1ce3aa43f0fbee2328103132d2	no	2
Warnings:					
Information:					
6	Fee Worksheet (SB06)	fee-info.pdf	30406 5aa6fbf08fdd15e598056d471f991907b185db2	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			1933636		

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New International Application Filed with the USPTO as a Receiving Office

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Electronic Patent Application Fee Transmittal				
Application Number:		13397486		
Filing Date:		15-Feb-2012		
Title of Invention:		DOCK FOR A PORTABLE ELECTRONIC DEVICE		
First Named Inventor/Applicant Name:		Leonardo ALDANA		
Filer:		Geoffrey Bernard Charles deKleine/Anett Fabian		
Attorney Docket Number:		PAT 101419-2		
Filed as Large 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 - 2 months with \$0 paid	1252	1	560	560

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				560



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/397,486	02/15/2012	Leonardo ALDANA	PAT 101419-2

CONFIRMATION NO. 2018

FORMALITIES LETTER



OC000000052845646

89107

Borden Ladner Gervais LLP
1200 Waterfront Centre
200 Burrard Street, P.O. Box 48600
Vancouver, BC V7X 1T2
CANADA

Date Mailed: 03/02/2012

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
13/397,486	02/15/2012	2835	1380	PAT 101419-2	20	2

CONFIRMATION NO. 2018

89107

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1200 Waterfront Centre
200 Burrard Street, P.O. Box 48600
Vancouver, BC V7X 1T2
CANADA

FILING RECEIPT



OC000000052845645

Date Mailed: 03/02/2012

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**

Applicant(s)

Leonardo ALDANA, Waterloo, CANADA;
Ming-Lun Dave MA, Kitchener, CANADA;
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Felipe Oliveira SIMOES, Kitchener, CANADA;

Assignment For Published Patent Application

RESEARCH IN MOTION LIMITED, Waterloo, CANADA

Power of Attorney: None

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/503,451 06/30/2011

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If Required, Foreign Filing License Granted: 02/29/2012

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/397,486**

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

Title

DOCK FOR A PORTABLE ELECTRONIC DEVICE

Preliminary Class

361

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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.

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page 2 of 3

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 13/397,486			
APPLICATION AS FILED - PART I									
(Column 1)		(Column 2)		SMALL ENTITY		OTHER THAN SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)		
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	380		
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	620		
EXAMINATION FEE (37 CFR 1.16(e), (p), or (q))	N/A	N/A	N/A			N/A	250		
TOTAL CLAIMS (37 CFR 1.16(i))	20	minus 20 = *				x 60 =	0.00		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2	minus 3 = *				x 250 =	0.00		
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).						0.00		
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00		
			TOTAL			TOTAL	1250		
* If the difference in column 1 is less than zero, enter "0" in column 2.									
APPLICATION AS AMENDED - PART II									
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OTHER THAN SMALL ENTITY	
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	x	=
	Application Size Fee (37 CFR 1.16(s))								
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
						TOTAL ADD'L FEE		TOTAL ADD'L FEE	
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	x	=
	Application Size Fee (37 CFR 1.16(s))								
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
						TOTAL ADD'L FEE		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.									

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		DOCK FOR A PORTABLE ELECTRONIC DEVICE		
First Named Inventor/Applicant Name:		Leonardo ALDANA		
Filer:		Lesley Meredith Morrison/Anett Fabian		
Attorney Docket Number:		PAT 101419-2		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility application filing	1011	1	380	380
Utility Search Fee	1111	1	620	620
Utility Examination Fee	1311	1	250	250
Pages:				
Claims:				
Miscellaneous-Filing:				
Late filing fee for oath or declaration	1051	1	130	130
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1380

DOCK FOR A PORTABLE ELECTRONIC DEVICE

CROSS REFERENCE TO RELATED APPLICATIONS

[0000] The present application claims the benefit of priority of U.S. Provisional Patent Application No. 61/503,451, filed on June 30, 2011, which incorporated herein by reference in its entirety.

TECHNICAL FIELD

[0001] The present application relates to charging and/or data transfer docks for portable electronic devices.

BACKGROUND DISCUSSION

[0002] Electronic devices, including portable electronic devices, have gained widespread use and may provide a variety of functions including, for example, telephonic, electronic messaging and other personal information manager (PIM) application functions. Portable electronic devices include, for example, several types of mobile stations such as simple cellular telephones, smart telephones, wireless personal digital assistants (PDAs), tablets and laptop computers with wireless 802.11 or Bluetooth capabilities.

[0003] Portable electronic devices such as PDAs or smart telephones are generally intended for handheld use (that is, the devices are sized and shaped to be held or carried in a human hand) and ease of portability. Portable electronic devices are often placed in docks for charging or data transfer including transfer of information in any form optically or electrically from dock to portable electronic device and vice versa. Some docks are capable of both charging and data transfer. Docks and portable electronic devices are susceptible to damage due to connection attempts when the portable electronic device and the dock are not properly aligned.

BRIEF DESCRIPTION OF THE DRAWINGS

[0004] Embodiments of the present application will now be described, by way of example only, with reference to the attached Figures, wherein:

[0005] FIG. 1 is a simplified block diagram of components including internal components of a portable electronic device;

[0006] FIG. 2 is an isometric view of a portable electronic device received in a dock according to an example;

[0007] FIG. 3 is a side view of a portable electronic device received in the dock of FIG. 2 with a portion of a housing of the dock removed;

[0008] FIG. 4 is a front sectional view of portions of the dock of FIG. 2;

[0009] FIG. 5 is a top sectional view on 5-5 of FIG. 4 of portions of the dock of FIG. 2;

[0010] FIGS. 6A and 6B are schematic front views of a mating connector of a portable electronic device misaligned with a connector of a dock;

[0011] FIG. 7 is a front sectional view of portions of a dock according to another example;

[0012] FIG. 8 is an isometric view of a dock according to another example with a charging connector in a stowed position;

[0013] FIG. 9 is an isometric view of the dock of FIG. 8 with a charging connector in an extended position;

[0014] FIG. 10 is a front sectional view of the dock of FIG. 8;

[0015] FIG. 11 is an exploded view of the dock of FIG. 8;

[0016] FIG. 12 is an isometric side sectional view of the dock of FIG. 8;

[0017] FIG. 13 is an isometric top sectional view of the dock of FIG. 8;

[0018] FIG. 14 is an isometric rear bottom view of the dock of FIG. 8;

[0019] FIG. 15 is an isometric view similar to FIG. 14 including additional components of the dock; and

[0020] FIG. 16 is an isometric bottom sectional view of a spring component of a dock according to another example.

DETAILED DESCRIPTION

[0021] The following describes a dock for receiving a portable electronic device. The dock includes a support for a connector including an elastically deformable portion for allowing movement of the connector relative to the dock when a force is applied.

[0022] In an aspect of the present disclosure, there is provided a dock for receiving a portable electronic device, including: a housing comprising an aperture; a support coupled to an inner wall of the housing, a portion of the support being elastically deformable; and a connector received in the support and extending through the aperture for electrically communicating with the portable electronic device, wiring of the connector for transferring data from the portable electronic device; wherein the portion of the support elastically deforms in response to non-axial movement of at least a portion of the connector.

[0023] In another aspect of the present disclosure, there is provided a connector assembly for a dock, the connector assembly including: a support for coupling to an inner wall the dock, a portion of the support being elastically deformable; and a connector received in the support and extending through the aperture for electrically communicating with the portable electronic device, wiring of the connector for transferring data from the portable electronic device; wherein the portion of the support elastically deforms in response to non-axial movement of at least a portion of the connector.

[0024] For simplicity and clarity of illustration, reference numerals may be repeated among the figures to indicate corresponding or analogous elements. Numerous details are set forth to provide an understanding of the embodiments described herein. The embodiments may be practiced without these details. In other instances, well-known methods, procedures, and components have not been described in detail to avoid obscuring the embodiments described. The

description is not to be considered as limited to the scope of the embodiments described herein.

[0025] The disclosure generally relates to a dock for a portable electronic device in the embodiments described herein. The dock may receive portable electronic devices including: mobile, or handheld, wireless communication devices such as pagers, cellular phones, cellular smart-phones, wireless organizers, tablets, global positioning system devices and personal digital assistants, for example. The portable electronic device may also be a portable electronic device without wireless communication capabilities, such as a handheld electronic game device, digital photograph album, digital camera, or other device. The portable electronic device may be, but need not be, a handheld device.

[0026] A block diagram of an example of a portable electronic device 100 is shown in FIG. 1. The portable electronic device 100 includes multiple components, such as a processor 102 that controls the overall operation of the portable electronic device 100. Communication functions, including data and voice communications, are performed through a communication subsystem 104. Data received by the portable electronic device 100 is decompressed and decrypted by a decoder 106. The communication subsystem 104 receives messages from and sends messages to a wireless network 120. The wireless network 120 may be any type of wireless network, including, but not limited to, data wireless networks, voice wireless networks, and networks that support both voice and data communications.

[0027] A power pack 122, such as one or more rechargeable batteries or a port to an external power supply, powers the portable electronic device 100. A dock interface 140 may electrically communicate with a dock 150 to charge the power pack 122 and/or provide a data connection to a data port 126 of the portable electronic device 100. In general, components electrically communicate with one another when the electrical activity in one component affects an

electrical activity in another. Electrical communication includes direct electrical contact that enables current flow. The dock interface 140 may include one or more mating connectors for electrically communicating with connectors of the dock 150. The dock 150 may electrically communicate with one or more of a power source 142, multimedia devices 144 such as televisions, monitors, projectors or other output devices, for example, and other electronic devices 146. In some situations, communication may be electrical or optical or a combination of electrical and optical.

[0028] The processor 102 interacts with other components, such as Random Access Memory (RAM) 108, memory 110, a display 112, an input device 114, an auxiliary input/output (I/O) subsystem 124, a data port 126, a speaker 128, a microphone 130, short-range communications 132, and other device subsystems 134. The processor 102 may interact with an orientation sensor such as an accelerometer 136 that may be utilized to detect direction of gravitational forces or gravity-induced reaction forces.

[0029] To identify a subscriber for network access, the portable electronic device 100 uses a Subscriber Identity Module or a Removable User Identity Module (SIM/RUIM) card 138 for communication with a network, such as the wireless network 120. Alternatively, user identification information may be programmed into memory 110.

[0030] The portable electronic device 100 includes an operating system 116 and software programs or components 118 that are executed by the processor 102 and are typically stored in a persistent, updatable store such as the memory 110. Additional applications or programs may be loaded onto the portable electronic device 100 through the wireless network 120, the auxiliary I/O subsystem 124, the data port 126, the short-range communications subsystem 132, or any other suitable subsystem 134.

[0031] A received signal such as a text message, an e-mail message, or web page download is processed by the communication subsystem 104 and input

to the processor 102. The processor 102 processes the received signal for output to the display 112 and/or to the auxiliary I/O subsystem 124. A subscriber may generate data items, for example e-mail messages, which may be transmitted over the wireless network 120 through the communication subsystem 104. For voice communications, the overall operation of the portable electronic device 100 is similar. The speaker 128 outputs audible information converted from electrical signals, and the microphone 130 converts audible information into electrical signals for processing.

[0032] An example dock 150 for receiving a portable electronic device 100 is shown in FIGS. 2 and 3. The dock 150 includes a housing 200 that is shaped to receive the portable electronic device 100. In one example, the housing 200 includes a seat 302 and a support wall 300 for receiving the portable electronic device 100. In general, the support wall 300 and the seat 302 support the weight of a received portable electronic device 100, although in some of the embodiments depicted herein, the seat 302 may support more weight than the support wall 300. As shown in FIG. 3, an edge surface 304 of the portable electronic device 100 contacts the seat 302 of the housing 200 and a rear surface 306 of the portable electronic device 100 contacts the support wall 300 of the housing 200. The size and shape of the seat 302 and the support wall 300 and the angle between the seat 302 and the support wall 300 may be selected to accommodate different sizes and types of portable electronic devices 100.

[0033] The housing 200 may be molded plastic, machined metal or wood, for example. The housing may be a single part or may be an assembly of multiple parts.

[0034] The dock 150 includes a connector support assembly 308 that is coupled to an inner surface of the housing 200. In general, components are coupled to one another when movement of one component affects movement in the other component. Coupling may be permanent, such as by welding for example, or may be reversible, such as connection by fasteners, for example. Coupling may include direct contact between the two components or the

components may be spaced from one another with additional components being provided to achieve coupling between the two components. In one example, screws 310 couple lugs 312 of the support assembly 308 to screw-receiving components 314, which extend from an underside surface 316 of the seat 302, to couple the support assembly 308 to the housing 200.

[0035] Referring also to FIG. 4, the connector support assembly 308 receives a connector 400. The connector 400 may be a charging connector, a data connector or a connector capable of both charging and data transfer. The connector 400 may support an electrical connection, an optical connection or a combination thereof. A connecting portion of the connector 400 extends through an aperture 402, which is located in the seat 302. When the portable electronic device 100 is received in the dock 150, the connector 400 electrically or optically communicates with the portable electronic device 100 to charge the portable electronic device 100 and/or provide a data connection thereto. In general, the portable electronic device 100 is received in the dock 150 when the portable electronic device 100 is generally supported thereby. Similarly, a first component may be received in a second component when the first component is supported by the second component. The first component may or may not be coupled to the second component and may move relative to the second component.

[0036] The connector support assembly 308 includes a support 404, a spring component 406, which is received in the support 404, and a flexible pad 412, which is located on a base 408 of the support 404. The base 408 of the support 404 limits movement of the connector 400 in a z-direction to facilitate coupling with a mating connector of the portable electronic device 100. An opening (not shown) is provided in the support 404 to allow wiring (such as electrical conductors or optical cables, not shown) of the connector 400 to pass therethrough.

[0037] The spring component 406 includes a passage 500, which is shown in FIG. 5, for receiving the connector 400. The passage 500 extends between a

top end 414 of the spring component 406 and a bottom end 416 of the spring component 406. A collar 418 is located at the top end 414 of the spring component 406 and ribs 410 extend from an inner wall 502 of the passage 500. The collar 418 includes a contact surface 420, which abuts the connector 400 to limit translation of the connector 400 in the x and y directions. The collar 418 may fully or partially surround the connector 400.

[0038] The ribs 410 extend vertically relative to the passage 500 and are elastically deformable to accommodate movement of the connector 400. The ribs 410 contact the connector 400 in order to maintain the connector 400 in a starting position within the passage 500. The spring component 406 is biased toward the starting position, which is a non-deformed shape shown in FIG. 5. Any non-axial movement of the connector 400 may cause the ribs 410 of the spring component 406 to elastically deform. An amount of movement of the connector 400 relative to the connector support assembly 308 may be determined by one of both of a rigidity of the ribs 410 and a size of the aperture 402.

[0039] The pad 412 is elastically deformable to accommodate some movement of the connector 400 in the z direction. Movement may occur in response to a force applied in the z-axis or pivoting of the connector 400. The pad 412 may be interference fit with the connector 400 to bias the connector 400 toward the mating connector of the portable electronic device 100 and absorb tolerances. The pad 412 is biased toward a non-deformed shape, as shown in FIG. 4.

[0040] The spring component 406 is made from a flexible material such as silicone rubber, urethane rubber or cork, for example. A hard plastic having flexible fingers may alternatively be used. The spring component 406 may fully surround the connector 400, as shown in FIG. 5, or may partially surround the connector 400. The spring component 406 may include a different number of ribs than shown in the figures. Further, the spring component may be any spring component that allows movement of the connector 400 relative to the connector

support assembly 308 and biases the connector 400 to the starting position within aperture 402.

[0041] In operation, a user visually and/or tactilely aligns a mating connector of the portable electronic device 100 with the connector 400 of the dock 150 and then moves the mating connector into engagement with the connector 400. When the mating connector is misaligned with the connector 400 in the x and/or y directions, a force is imparted on the connector 400 by the portable electronic device 100. The ribs 410 of the spring component 406 and the pad 412 elastically deform in order to accommodate pivoting of the connector 400 in response to the force. An example of a pivoted position of the connector 400 is shown in dashed lines in FIG. 4. Multiple forces may be applied to the connector 400 in various different directions while the user attempts to join the connectors of the portable electronic device 100 and dock 150. Because the example dock 150 of FIG. 2 includes a single connector 400, the ribs 410 of the spring component 406 return the connector 400 and the portable electronic device 100 back to the starting position once the connection with the portable electronic device 100 is complete. For heavy portable electronic devices 100, the ribs 410 may remain in a deformed position until the portable electronic device 100 is removed from the dock 150.

[0042] Two examples of misalignment between mating connector of the portable electronic device 100 and the connector 400 are shown in FIGS. 6A and 6B. The dock 150 described herein generally avoids damage to the connector 400 because the force imparted by the mating connector of the portable electronic device 100 is absorbed by the spring component 406 rather than the connector 400.

[0043] The connector support assembly 308 may be any support that is coupled to the housing 200 and includes a portion that elastically deforms in response to movement of the connector 400. In addition, an alignment component may be provided to facilitate location of the mating connector of the portable electronic device 100 relative to the connector 400. The alignment

component may be a rail, pin or slot, for example, for guiding the portable electronic device 100 into position.

[0044] In another example, ribs 710, which are shown in FIG. 7, extend generally horizontally in the spring component 406. The orientation of the ribs may alternatively be disposed at an angle that is between vertical and horizontal.

[0045] In another example, the connector extends through an aperture in the support wall or other location in order to accommodate different locations of portable electronic device mating connectors.

[0046] Although the collar 418 is shown as part of the spring component 406, the collar 418 may alternatively form part of the seat 302. In another example, the spring component 406 does not include a collar 418. In this embodiment, both translation in the x and y directions and pivoting of the connector 400 relative to the housing 200 are possible.

[0047] Referring now to FIGS. 8 and 9, another example of a dock 150 for a portable electronic device 100 is generally shown. In this example, the dock 150 includes apertures 800, 802, 804, which extend through the seat 302 of the housing 200. First and second data connectors 806 and 808 extend through apertures 800 and 802, respectively. A charging connector 810 extends through the aperture 804. When the portable electronic device 100 is received in the dock 150, the connectors 806, 808, 810 electrically communicate with the portable electronic device 100 to provide data connections and charge the portable electronic device 100. In one example, the first data connector 806 is a micro HDMI connector for transferring data to multimedia devices and the second data connector 808 is a micro USB connector for exchanging data with other electronic devices. Other types of data connectors are also possible. In addition, the charging connector 810 may also transfer data.

[0048] The connectors 806, 808, 810 are mounted in a connector support assembly 812, which is coupled to an inner surface of the housing 200. Referring also to FIG. 10, screws 816 couple lugs 818 of the support assembly 812 to screw-receiving components 1006, which extend from an underside

surface 1010 of the seat 302, to couple the support assembly 812 to the housing 200. Other arrangements for coupling the connector support assembly to the housing 200 are also possible.

[0049] Referring still to FIGS. 8, 9 and 10, the connector support assembly 812 includes a support tray 1000, a spring component 1002, which is located in the support tray 1000, and a pad 1004, which is disposed between a base 1008 of the support tray 1000 and the spring component 1002. The spring component 1002 includes tabs 820, which mate with openings 822 in a front wall 824 of the support tray 1000 to generally fix the spring component 1002 relative to the support tray 1000. Alternative arrangements for fixing the spring component 1002 in the support tray 1000 are possible including fasteners, such as screws, rivets or staples, glue, or other snap-in fastening arrangements. In addition, the spring component 1002 may be sized so that an interference fit is provided between the spring component 1002 and the connectors 806, 808.

[0050] The spring component 1002 includes passages 1100, 1102 and 1104, which are shown in FIG. 11. The passages 1100, 1102, 1104 extend between a bottom end 1200 of the spring component 1002 to a top end 1202. The passages 1100, 1102 and 1104 receive first and second data connectors 806, 808 and charging connector 810, respectively. The charging connector 810 is movable in the z direction through the passage 1104 between a stowed position, which is shown in FIG. 8, and an extended position, which is shown in FIG. 9. The charging connector 810 is generally a floating connector that is biased toward the stowed position and moveable under a magnetic force to the extended position. Passage 1104, which receives the charging connector 810 and allows the charging connector 810 to slide relative thereto.

[0051] Collars 1018 are located at the top end 1202 of the spring component 1002 to surround the passages 1100, 1102 and ribs 1012 extend from inner walls 1014 of the passages 1100, 1102. Contact surfaces 1204 of the collars 1018 abut the connectors 806, 808 to limit translation of the connectors

806, 808 in the x and y directions. The collars 1018 may fully or partially surround the connectors 806, 808.

[0052] Ribs 1012 extend from inner walls 1014 and 1016 of passages 1100 and 1102 of the spring component 1002, respectively. The ribs 1012 contact the first and second data connectors 806, 808 in order to maintain the connectors 806, 808 in a starting position within the respective passages 1100, 1102. The spring component 1002 is biased toward a non-deformed shape, which is shown in FIG. 13, or a slightly deformed state in which some deformation may occur in response to interference with the connectors 806, 808. An amount of movement of the connectors 806, 808 relative to the connector support assembly 812 may be determined by one of both of a rigidity of the spring component 1002 and a size of the apertures 800 and 802, respectively. The spring component 1002 facilitates independent movement of the connectors 806, 808, 810. Elastic deformation due to a force being applied to one of the connectors is not transferred to the other connectors through the spring component 1002.

[0053] The spring component 406 is made from a flexible material such as silicone rubber, urethane rubber or cork, for example. A hard plastic having flexible fingers may alternatively be used.

[0054] Because the mating connectors of the portable electronic device 100 are fixed relative to one another, additive tolerances may result in displacements in mating connector locations when compared to manufacturing specifications of the portable electronic device 100. Additive tolerances are generally the sum of internal tolerances of each mating connector component, tolerances of components coupled the mating connector components and assembly process tolerances. The connector support assembly 812 compensates for the additive tolerances of the mating connectors of the portable electronic device 100 by providing a spring component 1002 that allows connectors 806, 808 of the dock 150 to pivot in order to align with the mating connectors of the portable electronic device 100. Because the connectors 806, 808 are not fixed relative to the dock 150, manufacturing of the dock 150 may be simplified because

tolerances relating to connector location within the dock 150 may be relaxed compared to fixed connector docks.

[0055] The base 1008 of the support tray 1000 limits movement of the connectors 806, 808 in the z-direction to facilitate coupling with mating connectors of the portable electronic device 100. The pad 1004 is elastically deformable to accommodate some movement of the connectors 806 and 808 in the z direction. The pad 1004 may be interference fit with the connectors 806, 808 to bias the connectors 806, 808 toward the mating connectors of the portable electronic device 100 and absorb tolerances. The pad 1004 is biased toward a non-deformed shape, which is shown in FIG. 10, and is compressible in response to a downward, or axial, force on the connector 806, 808. In one example, the pad 804 is two-shot or overmolded onto the support tray 1000 to reduce the part count of the dock 150.

[0056] As shown in FIG. 11, apertures 1106 extend through the pad 1004. Referring also to FIG. 10, the apertures 1106 are aligned with the through-hole leads of the connectors 806, 808, which protrude through an opposite surface of printed circuit boards (PCB), 1108, 1110 of the first and second data connectors 806, 808, respectively. The apertures 1106 generally protect the leads and solder joints of the PCB 1108, 1110 from stress during assembly and use when the portable electronic device 100 is inserted into and removed from the dock 150.

[0057] Referring also to FIG. 14, the support tray 1000 includes openings 1400, which extend through a rear wall 1402 of the support tray 1000 to allow wiring 1404 of the connectors 806, 808, 810 to extend therethrough. The wiring 1404 may be flexible cables coupled between the connectors 606, 608, 610 and an electronic device (not shown), a multimedia device (not shown) and a power source (not shown), respectively. In one example, the flexible cables are coupled to a connector (not shown) that is mounted on a main PCB 1500 coupled inside the housing 200, as shown in FIG. 15. The flexible cables may alternatively be soldered to the main PCB 1500. When a main PCB is not

included, the flexible cables may be soldered, crimped or inserted into mating pins of one or more connectors. Cables for electrically communicating with the electronic device, multimedia device and power source may extend through opening 1502.

[0058] In operation, a user visually and/or tactilely aligns mating connectors of the portable electronic device 100 with the connectors 806, 808 and 810 of the dock 150 and then moves the mating connectors into engagement with the connectors 806, 808, 810. When the mating connectors are not aligned with the connectors 806, 808 in the x and/or y directions, a force is imparted on one or both of the connectors 806, 808 by the portable electronic device 100. The ribs 1012 of the spring component 1002 and the pad 1004 elastically deform in order to accommodate pivoting of the one or both of the connectors 806, 808 in response to the force. Multiple forces may be applied to the connectors 806, 808 in various different directions while the user attempts to join the connectors of the portable electronic device 100 and dock 150. The charging connector 810 moves toward the mating charging connector of the portable electronic device 100 when the magnet of the mating charging connector is near the charging connector 810. Once connected, the connectors 806, 808 may return to the their starting positions or one or both of the connectors 806, 808 may remain out of alignment with the starting position due to additive tolerances of the mating connectors of the portable electronic device 100. Because the connectors 806, 808 are able to pivot in order to align with the mating connectors, additive tolerance issues relating to more than one fixed mating connector are avoided.

[0059] Referring to FIG. 16, in another example, the ribs 1012 include steps 1600. Two or more steps 1600 are spaced along the length of the ribs 1012 to decrease a rib cross-sectional area between the top end 1202 and a bottom end 1200 of the spring component 1002. When a mating connector of a portable electronic device 100 exerts a force on the connector 806, 808, in the x and/or y direction, a maximum compressive force is applied near the top end

1202 of the spring component 1002. By providing a larger rib cross-sectional area near the top end 1202, the amount of force that is transferred to the bottom end 1200 of the spring component 1002 is reduced. Therefore, damage to solder joints, for example, between the PCBs 1108, 1110 and the connectors 806, 808, respectively, is less likely to occur. Similarly, stress resulting from any shifting, tilting or other alignment forces exerted by the mating connectors of the portable electronic device 100 is reduced.

[0060] The charging connector 810 may be replaced with a fixed connector that is mounted within the connector support assembly 812 in a similar manner as data connectors 806 and 808. Further, although three connectors are shown in the example of FIGS. 9 to 15, any number of connectors may be possible.

[0061] The connector support assembly and connector(s) may be provided as a single connector assembly that may be mounted in any dock. The connector support assembly may be manufactured to meet specifications associated with docks of different portable electronic devices.

[0062] Although the collar 1018 is shown as part of the spring component 1002, the collar 1018 may alternatively form part of the seat 302. In another example, the spring component 1002 does not include a collar 1018. In this example, both translation in the x and y directions and pivoting of the connectors 806, 808 relative to the housing 200 are possible.

[0063] The dock 150 described herein may realize one or more advantages, some of which have already been described. The dock 150 facilitates quick and easy connection of a portable electronic device thereto. By compensating for some misalignment between connectors of the dock 150 and mating connectors of the portable electronic device, damage resulting from stress on both the portable electronic device 100 and the dock 150 normally associated with connection and removal operations, may be avoided. Further, the life of the dock 150 may be extended because entry of dust and dirt into the dock 150 is limited by the collar, which may act as a seal.

[0064] The above-described embodiments are intended to be examples only. Alterations, modifications and variations can be effected to the particular embodiments by those of skill in the art without departing from the scope of the present application, which is defined solely by the claims appended hereto.

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	PAT 101419-2
		Application Number	
Title of Invention	DOCK FOR A PORTABLE ELECTRONIC DEVICE		
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

☐ 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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Applicant 1					Remove
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	Leonardo		ALDANA		
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service					
City	Waterloo	Country Of Residenceⁱ	CA		
Citizenship under 37 CFR 1.41(b) ⁱ		CA			
Mailing Address of Applicant:					
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Citizenship under 37 CFR 1.41(b) ⁱ		CA			
Mailing Address of Applicant:					
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Address 2					
City	Waterloo	State/Province	ON		
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Applicant 3					Remove
Applicant Authority		☒ Inventor		☐ Legal Representative under 35 U.S.C. 117	☐ Party of Interest under 35 U.S.C. 118
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	Dietmar	Frank	WENNEMER		
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service					
City	Waterloo	Country Of Residenceⁱ	CA		

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	PAT 101419-2
		Application Number	
Title of Invention	DOCK FOR A PORTABLE ELECTRONIC DEVICE		

Citizenship under 37 CFR 1.41(b) i		DE	
Mailing Address of Applicant:			
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Address 2			
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Postal Code	N2L 3W8	Country ⁱ	CA
Applicant 4			Remove
Applicant Authority ☒ Inventor		☐ Legal Representative under 35 U.S.C. 117	
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Prefix	Given Name	Middle Name	Family Name
	Felipe	Oliveira	SIMONES
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service			
City	Kitchener	Country Of Residence ⁱ	CA
Citizenship under 37 CFR 1.41(b) i		CA	
Mailing Address of Applicant:			
Address 1	295 Phillip Street, Ext. 72417		
Address 2			
City	Waterloo	State/Province	ON
Postal Code	N2L 3W8	Country ⁱ	CA
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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☐ An Address is being provided for the correspondence information of this application.			
Customer Number	89107		
Email Address	ipmailvancouver@blg.com	Add Email	Remove Email

Application Information:

Title of the Invention	DOCK FOR A PORTABLE ELECTRONIC DEVICE		
Attorney Docket Number	PAT 101419-2	Small Entity Status Claimed ☐	
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	16	Suggested Figure for Publication (if any)	8

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	PAT 101419-2
		Application Number	
Title of Invention	DOCK FOR A PORTABLE ELECTRONIC DEVICE		

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.

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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). Enter either 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:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	89107		

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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(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.			
Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	non provisional of	61503451	2011-06-30
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			Add

Foreign Priority Information:

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. 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(a).			
			Remove
Application Number	Country ⁱ	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			☐ Yes ☒ No
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			Add

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Assignee 1	Remove

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	PAT 101419-2
		Application Number	
Title of Invention	DOCK FOR A PORTABLE ELECTRONIC DEVICE		

If the Assignee is an Organization check here. ☒			
Organization Name	RESEARCH IN MOTION LIMITED		
Mailing Address Information:			
Address 1	295 Phillip Street		
Address 2			
City	Waterloo	State/Province	ON
Country ⁱ	CA	Postal Code	N2L 3W8
Phone Number		Fax Number	
Email Address			
Additional Assignee Data may be generated within this form by selecting the Add button. Add 			

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.					
Signature	/Lesley M. Morrison/			Date (YYYY-MM-DD)	2012-02-15
First Name	Lesley M.	Last Name	Morrison	Registration Number	50217

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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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The information provided by you in this form will be subject to the following routine uses:

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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 inspections or an issued patent.
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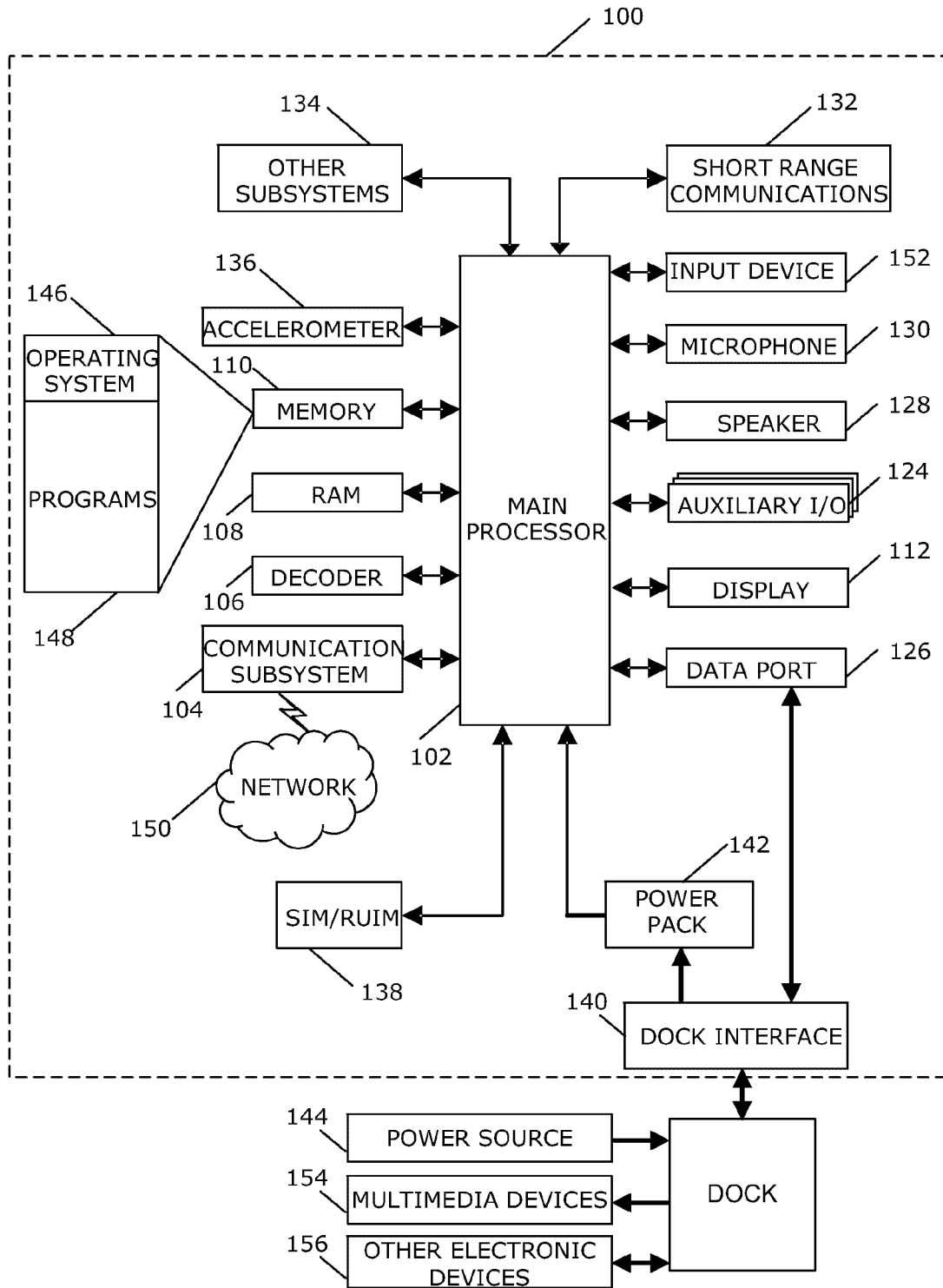


FIG. 1

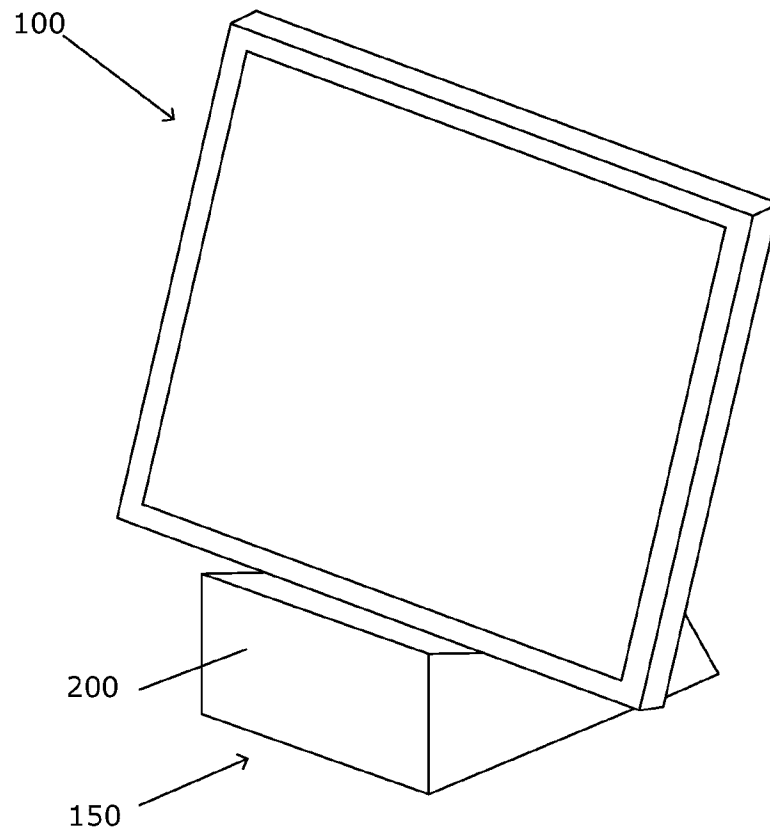


FIG. 2

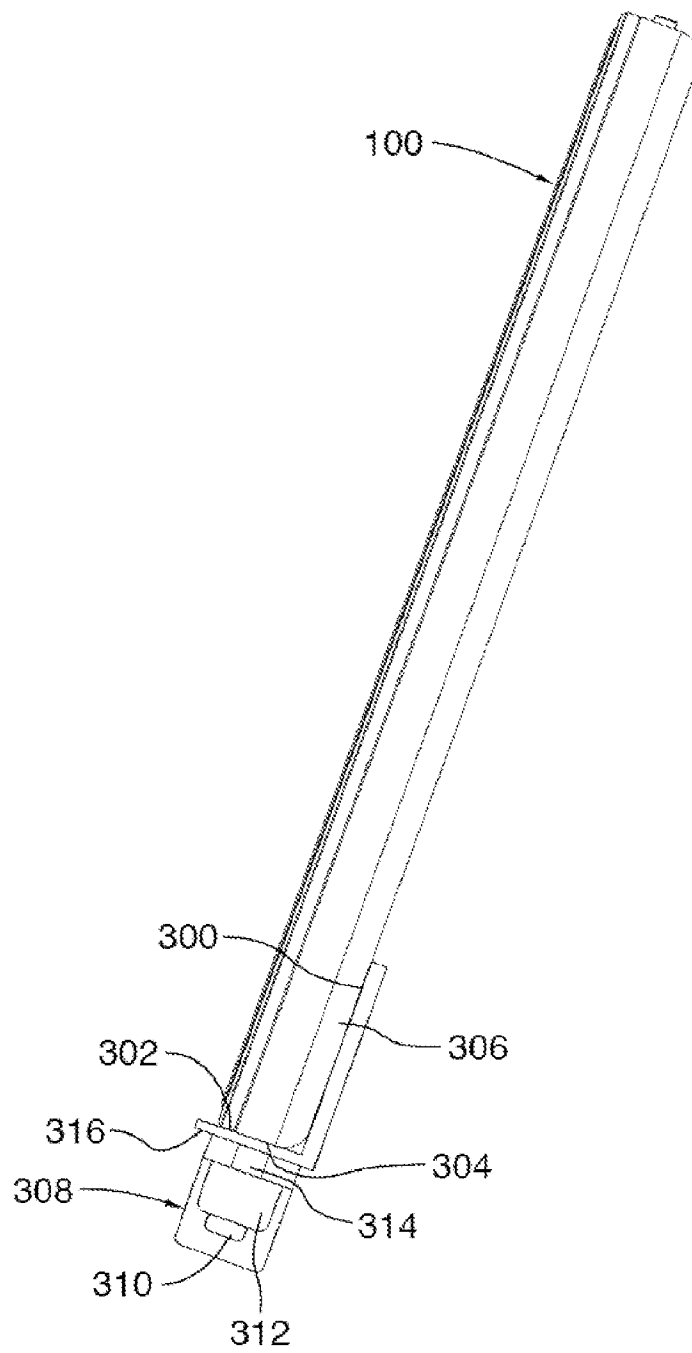


FIG. 3

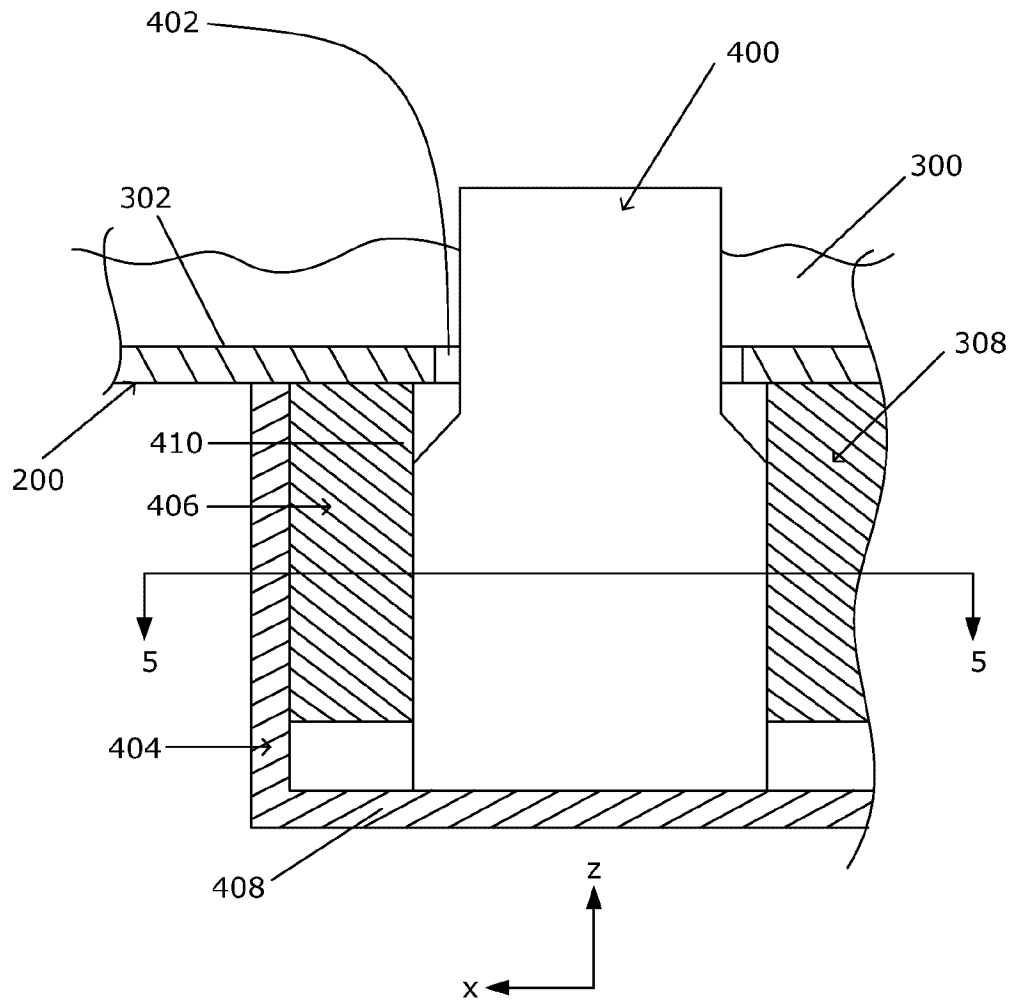


FIG. 4

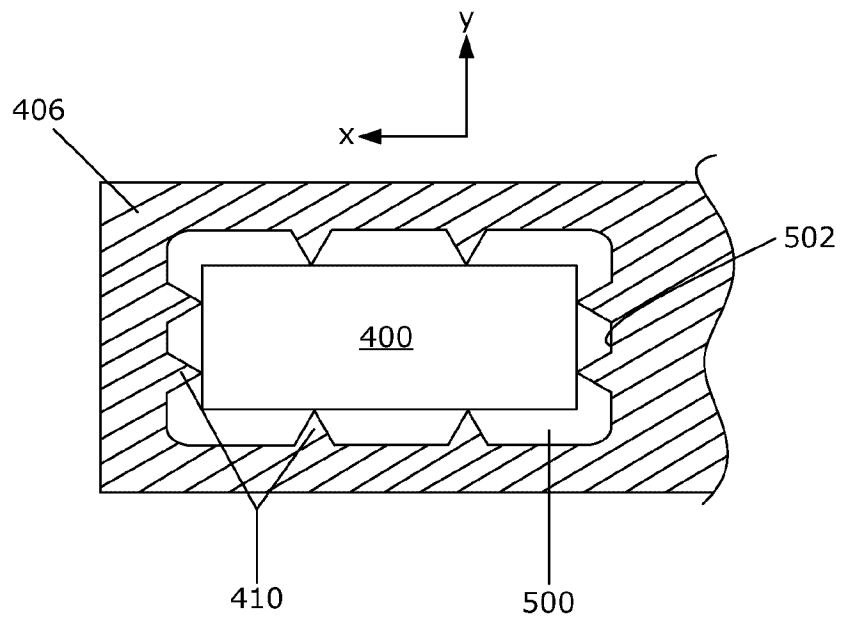


FIG. 5

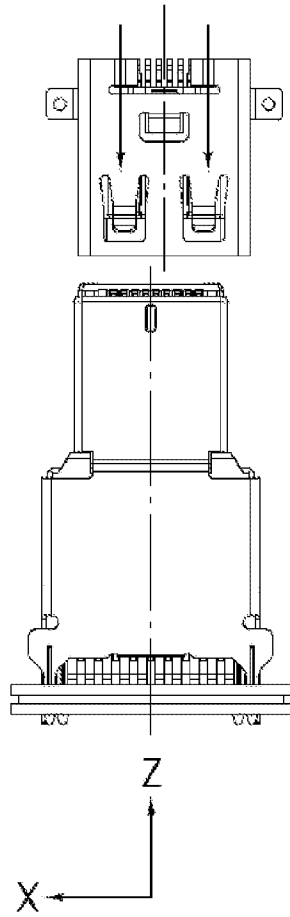


FIG. 6A

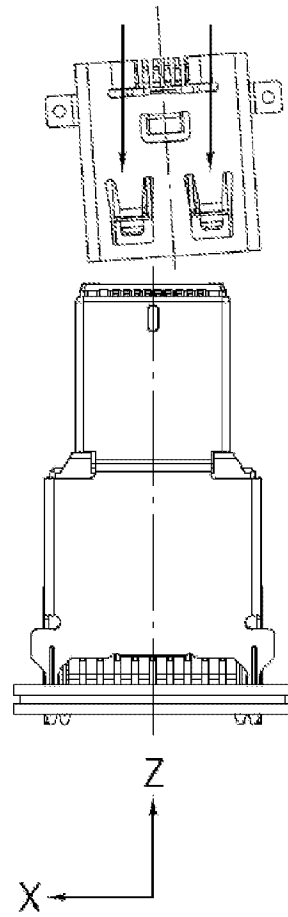


FIG. 6B

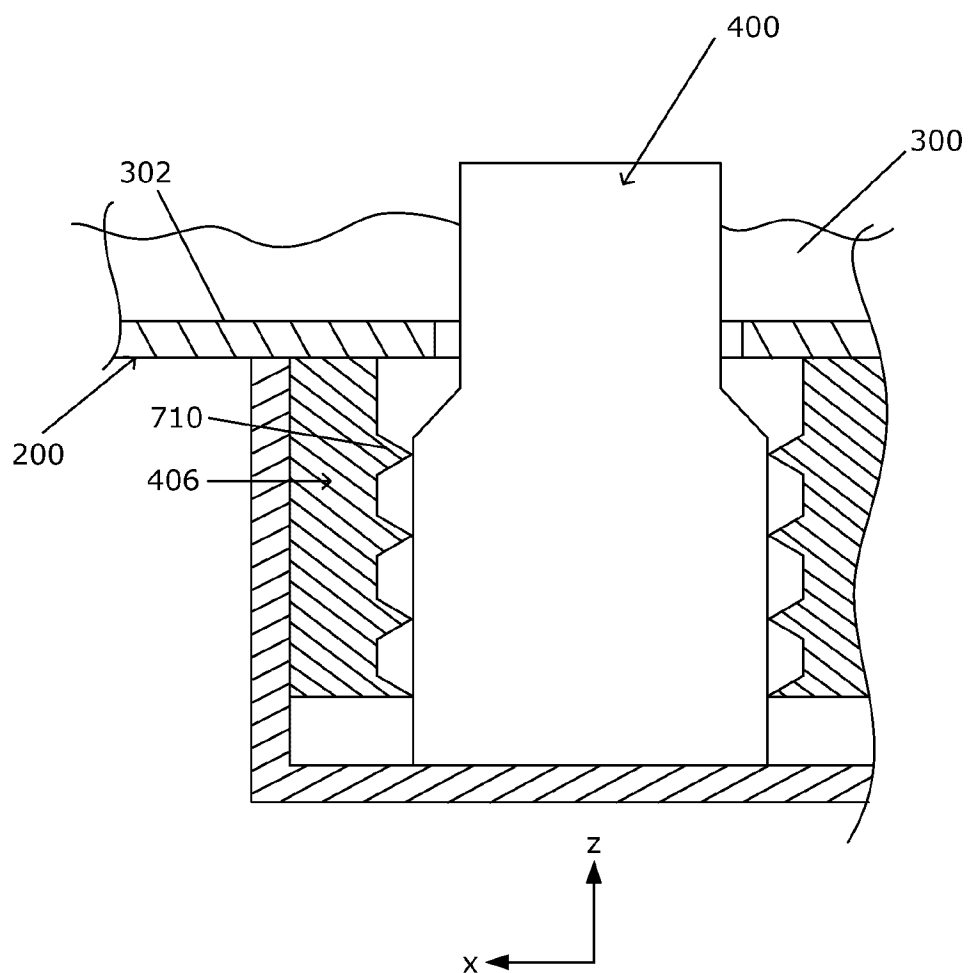


FIG. 7

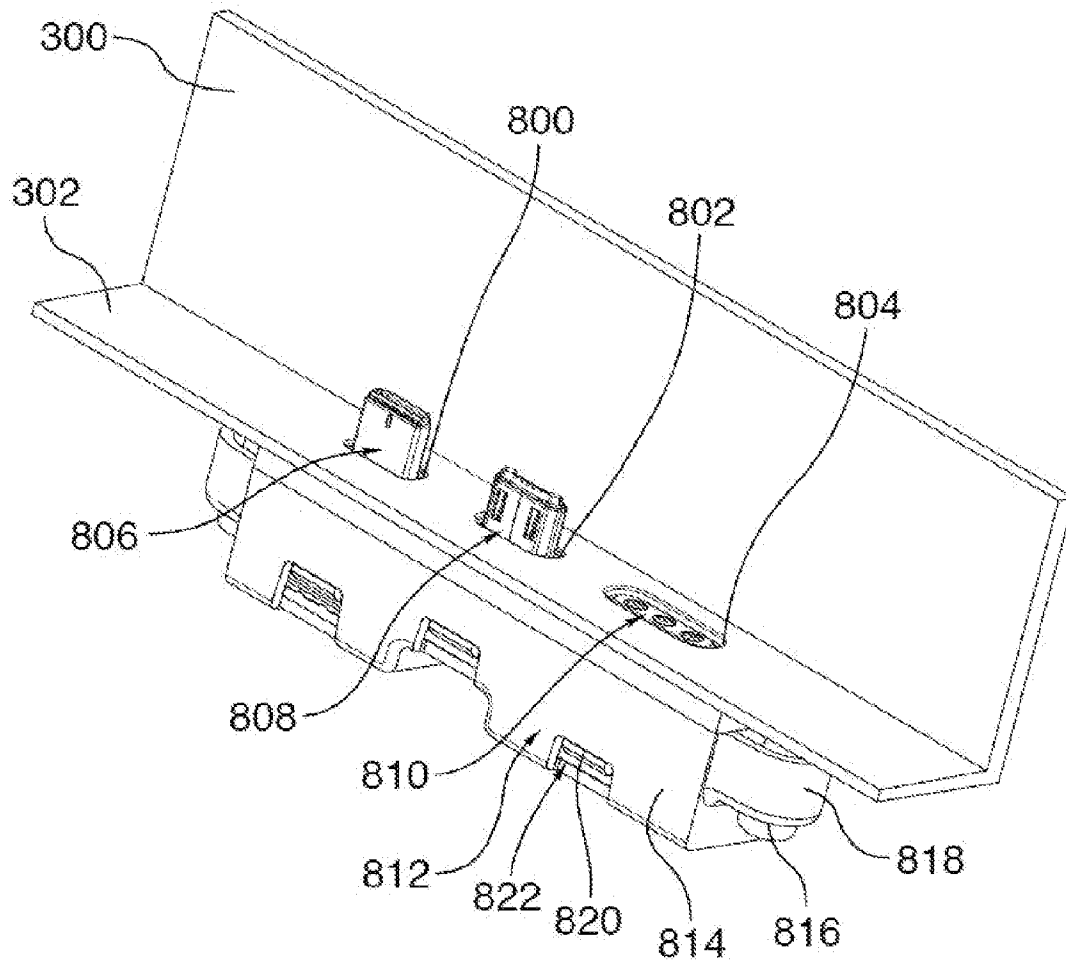


FIG. 8

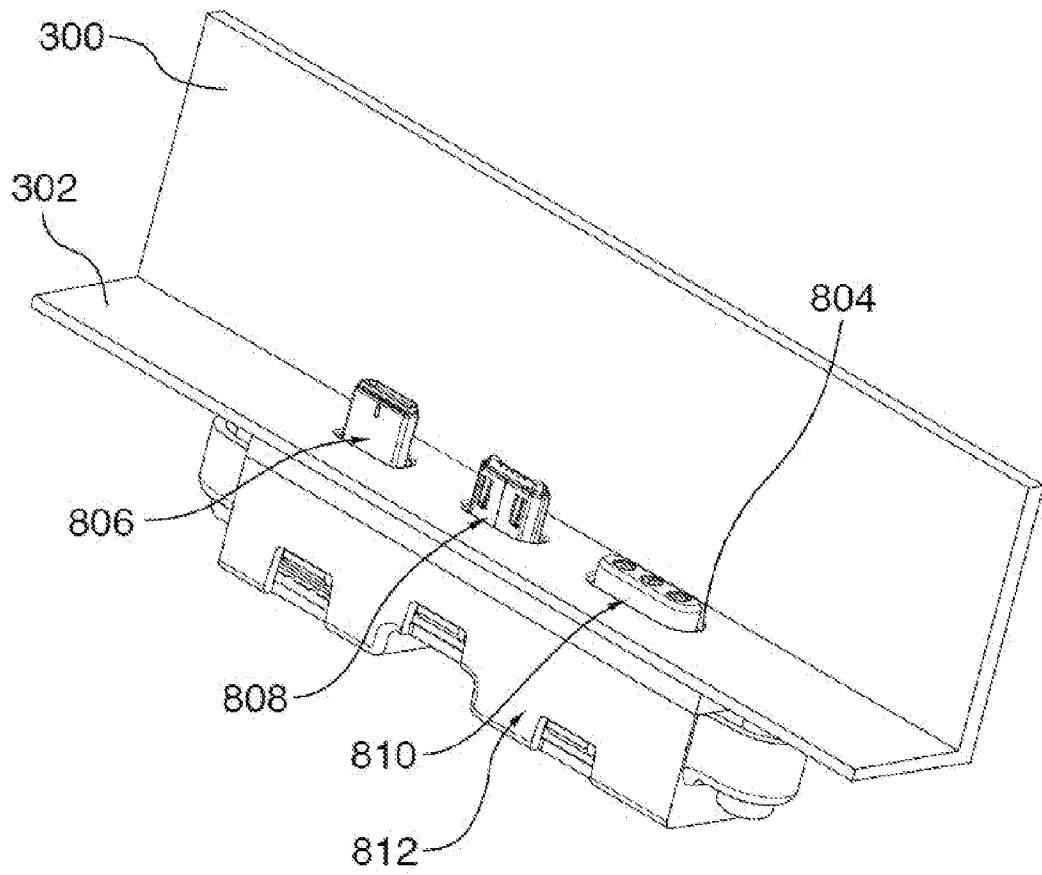


FIG. 9

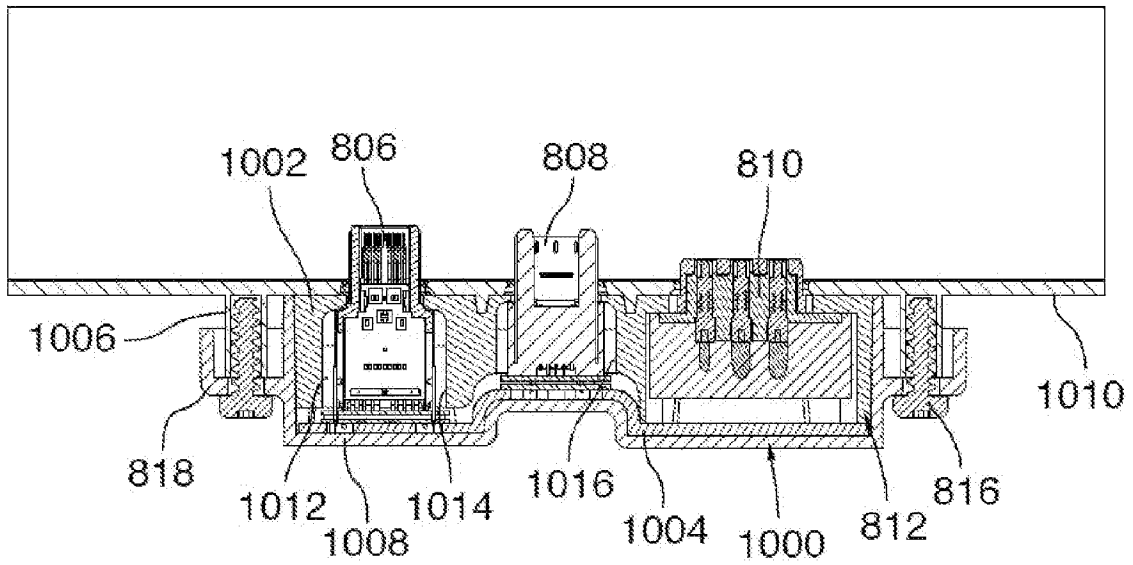


FIG. 10

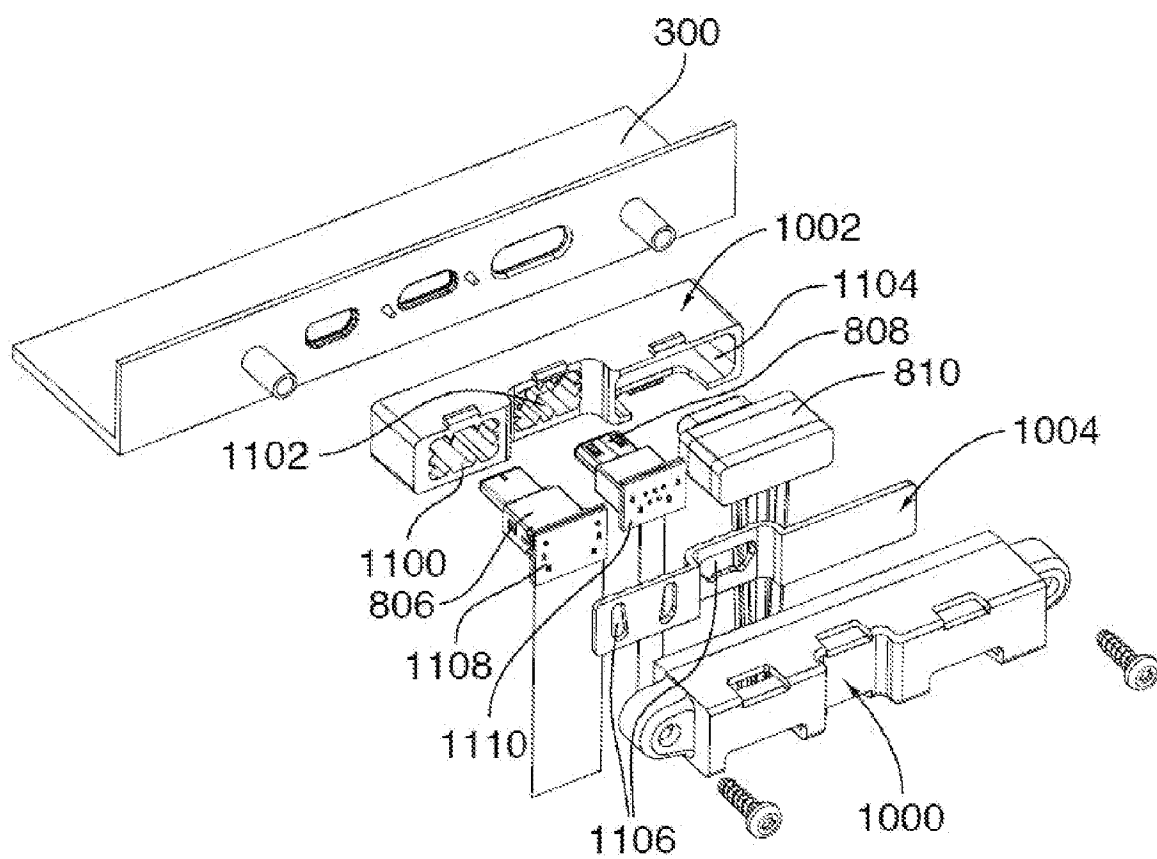


FIG. 11

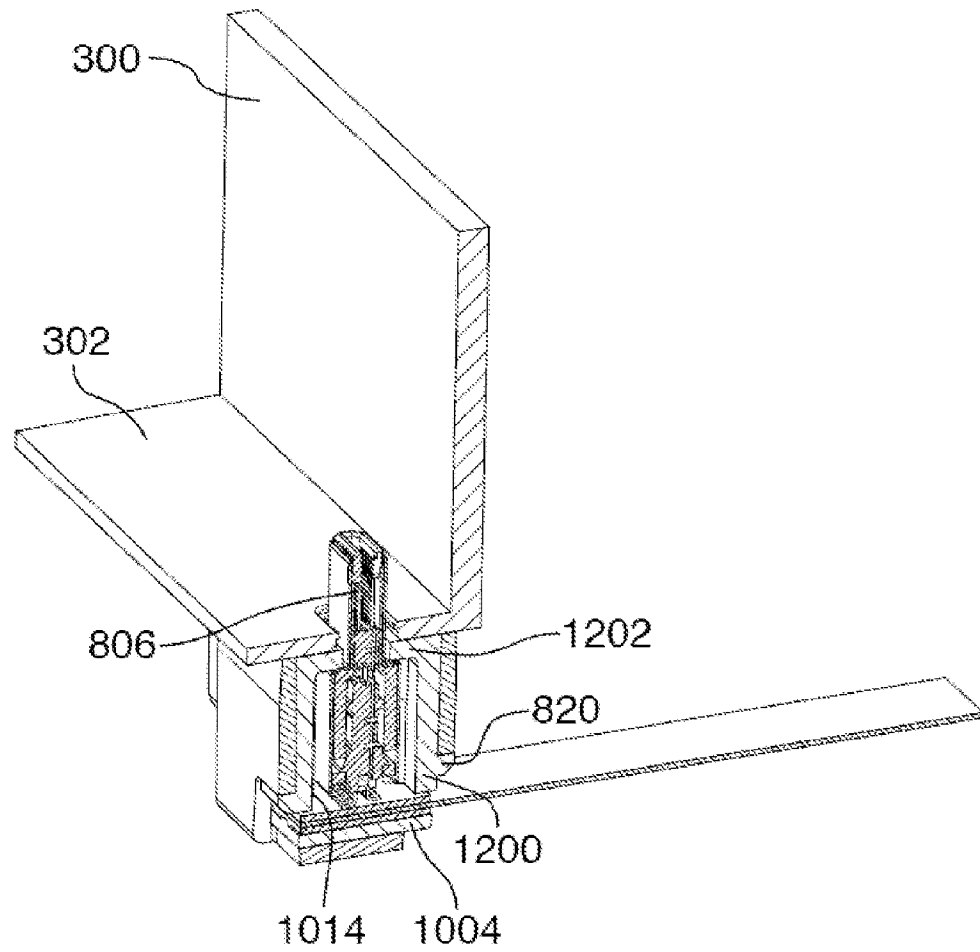


FIG. 12

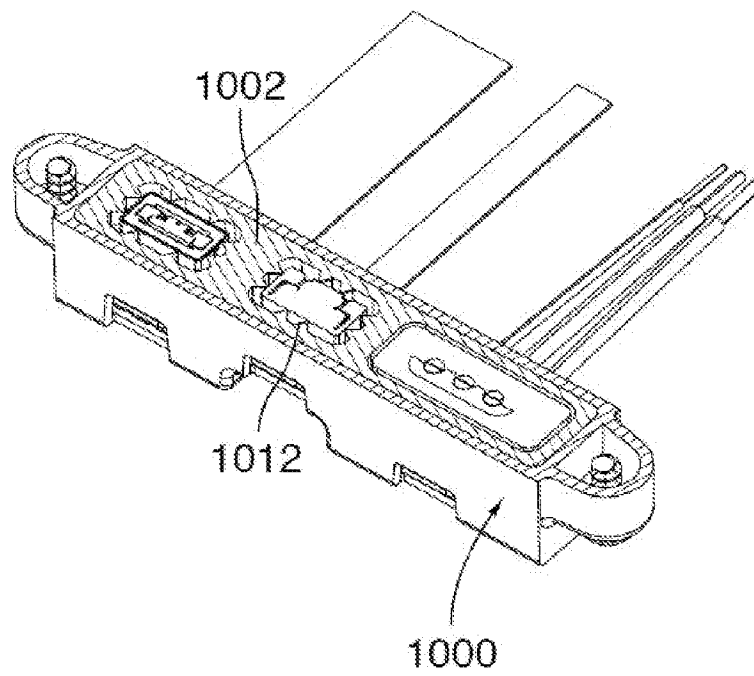


FIG. 13

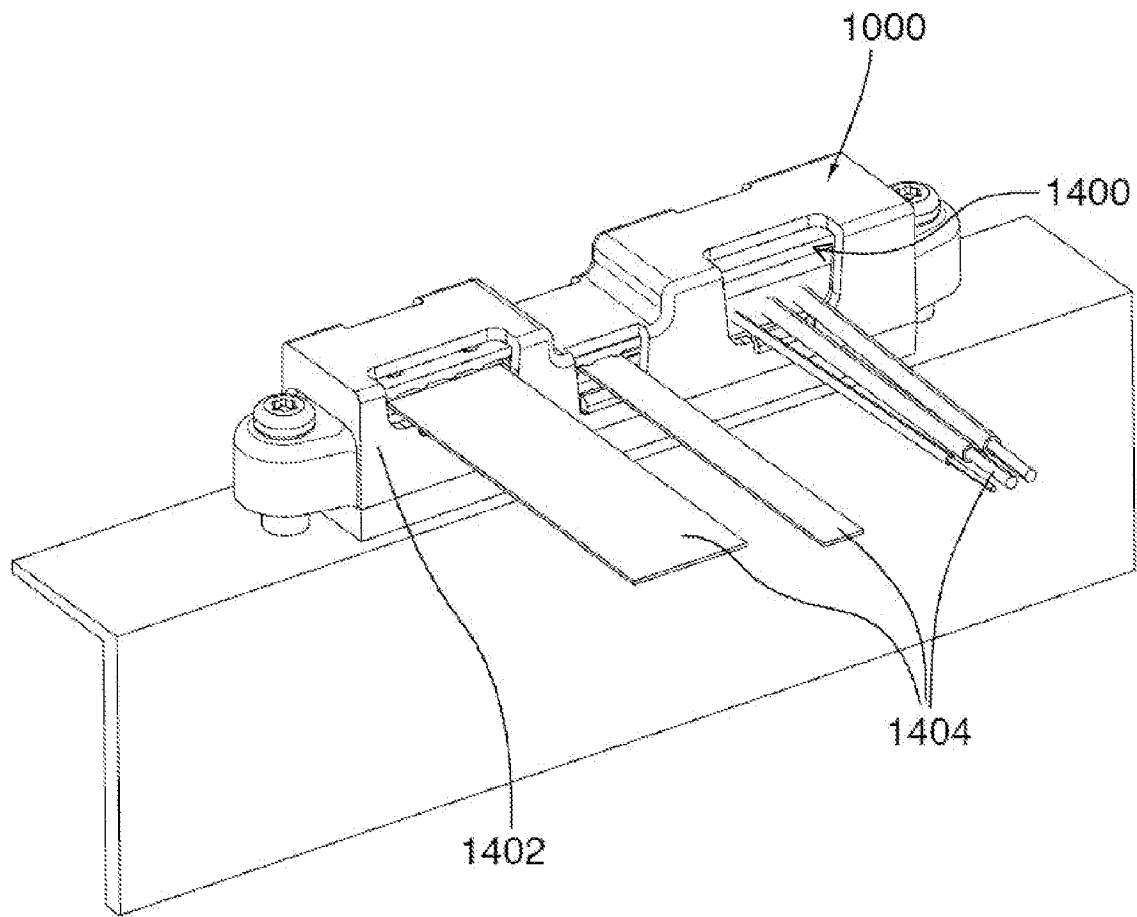


FIG. 14

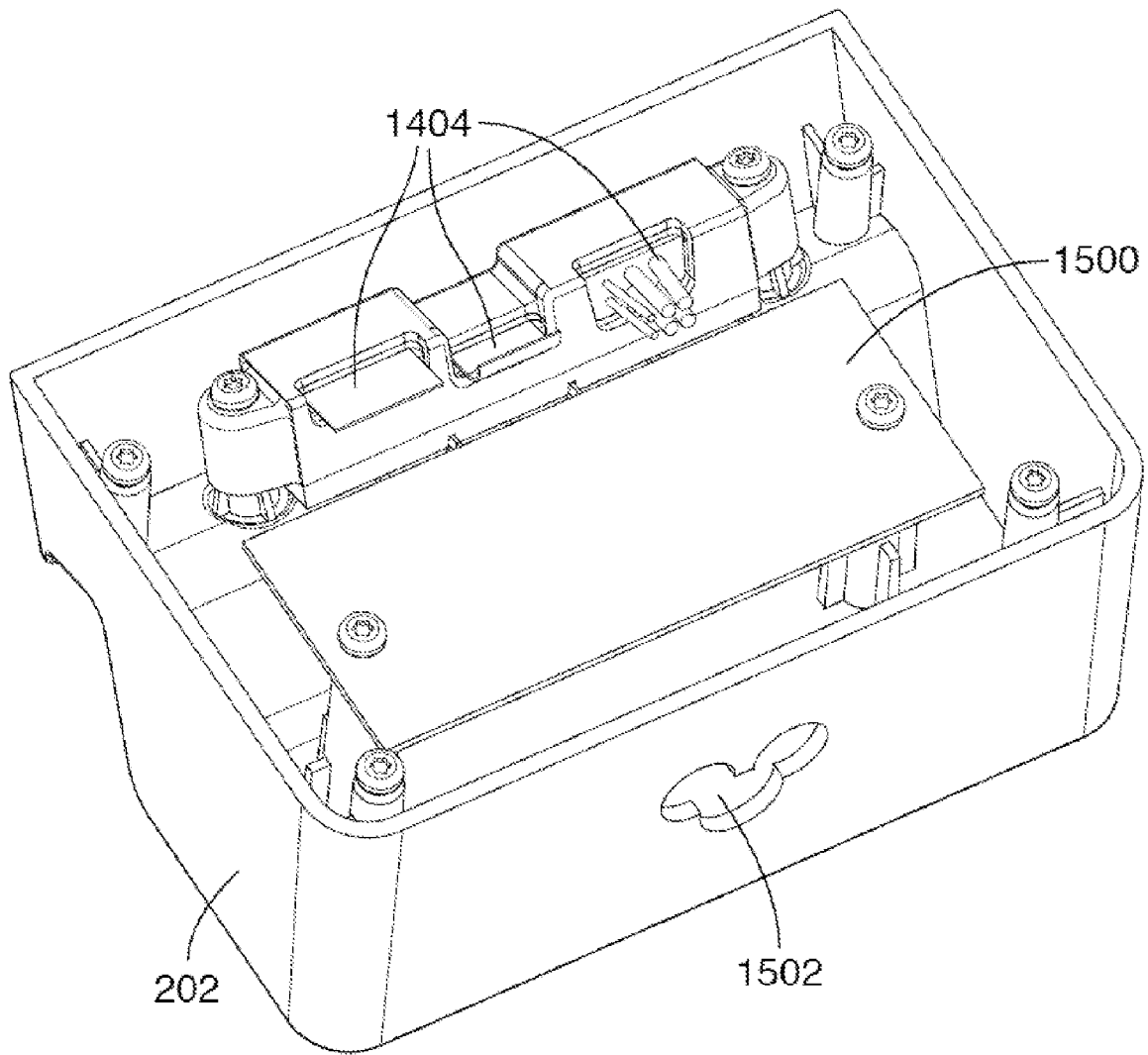


FIG. 15

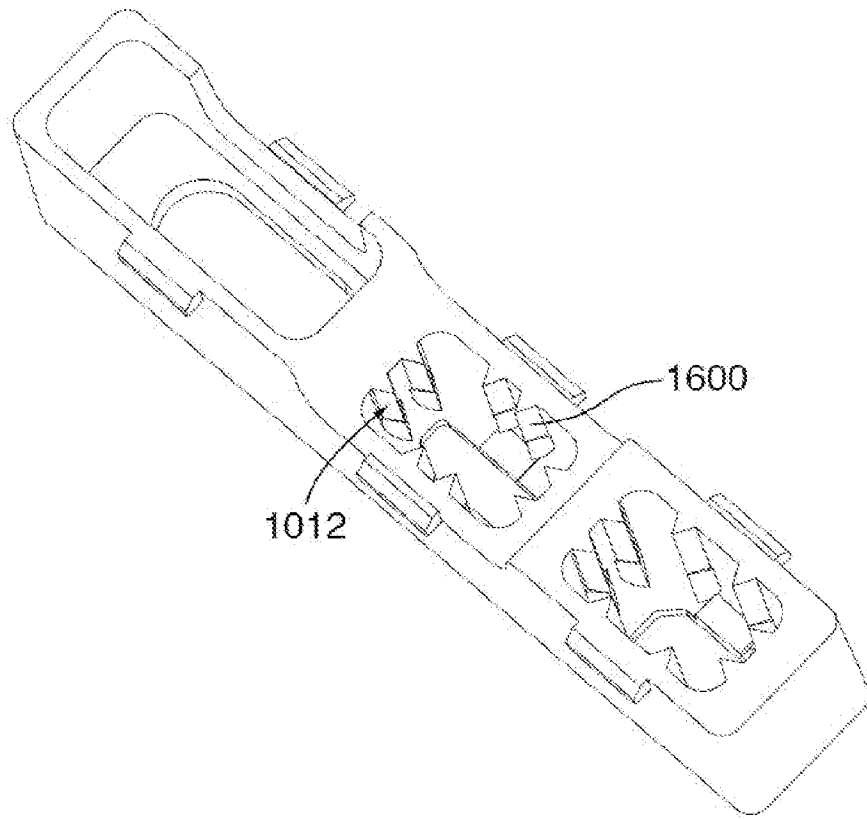


FIG. 16

ABSTRACT

A dock for receiving a portable electronic device, including a housing comprising an aperture; a support coupled to an inner wall of the housing, a portion of the support being elastically deformable; and a connector received in the support and extending through the aperture for electrically communicating with the portable electronic device, wiring of the connector for transferring data to an electronic device; wherein the portion of the support elastically deforms in response to non-axial movement of at least a portion of the connector.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		2012-02-15
	First Named Inventor	ALDANA, Leonardo	
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STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	2012-02-15
First Named Inventor	ALDANA, Leonardo
Art Unit	
Examiner Name	
Attorney Docket Number	PAT 101419-2

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- ☐ See attached certification statement.
- ☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Lesley M. Morrison/	Date (YYYY-MM-DD)	2012-02-15
Name/Print	Lesley M. Morrison	Registration Number	50217

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Application Number:	13397486
International Application Number:	
Confirmation Number:	2018
Title of Invention:	DOCK FOR A PORTABLE ELECTRONIC DEVICE
First Named Inventor/Applicant Name:	Leonardo ALDANA
Customer Number:	89107
Filer:	Lesley Meredith Morrison/Anett Fabian
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Attorney Docket Number:	PAT 101419-2
Receipt Date:	15-FEB-2012
Filing Date:	
Time Stamp:	18:07:09
Application Type:	Utility under 35 USC 111(a)

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Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	PAT_101419_2_IDS.pdf	704055	no	4
			36757ef9150de8929585d1a23ab1a160e49c7cc		
Warnings:					
Information:					
3		PAT_101419_2_SPEC.pdf	124607	yes	20
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	Specification		1	16	
	Claims		17	19	
	Abstract		20	20	
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4	Drawings-only black and white line drawings	PAT_101419_2_FIGS.pdf	635907	no	16
			2eeb85f3e89ee6987653cdcae7ab7338132927a0		
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5	Fee Worksheet (SB06)	fee-info.pdf	36574	no	2
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What is claimed is:

1. A dock for receiving a portable electronic device, comprising:
 - a housing comprising an aperture;
 - a support coupled to an inner wall of the housing, a portion of the support being elastically deformable; and
 - a connector received in the support and extending through the aperture for electrically communicating with the portable electronic device, wiring of the connector for transferring data from the portable electronic device;wherein the portion of the support elastically deforms in response to non-axial movement of at least a portion of the connector.
2. A dock as claimed in claim 1, wherein the support includes a spring component received in a support tray, the spring component being elastically deformable.
3. A dock as claimed in claim 2, wherein the spring component comprises a passage for receiving the connector, the passage comprising ribs for contacting the connector.
4. A dock as claimed in claim 1, comprising a collar abutting the connector within the housing to limit translation of the connector.
5. A dock as claimed in claim 4, wherein the collar surrounds the connector at a location adjacent the aperture.
6. A dock as claimed in claim 3, wherein a cross-sectional area of the ribs is reduced between a top end of the spring component and a bottom end of the spring component, the top end being located adjacent the aperture of the housing.

7. A dock as claimed in claim 2, wherein the spring component biases the connector to a starting position within the passage.
8. A dock as claimed in claim 1, wherein a pad is disposed in the support and is elastically deformable in response to axial movement of the connector.
9. A dock as claimed in claim 1, comprising more than one connector, each connector being independently movable relative to the housing.
10. A dock as claimed in claim 2, wherein the spring component comprises three passages for receiving a first data connector, a second data connector and a charging connector.
11. A dock as claimed in claim 1, wherein the housing comprises a seat for receiving the portable electronic device and the aperture extends through the seat.
12. A dock as claimed in claim 1, wherein the connector is a micro HDMI connector.
13. A dock as claimed in claim 1, wherein the connector is a micro USB connector and the wiring receives data from an electronic device.
14. A dock as claimed in claim 1, wherein the connector is a charging connector.
15. A connector assembly for a dock, the connector assembly comprising:
a support for coupling to an inner wall the dock, a portion of the support being elastically deformable; and

a connector received in the support and extending through the aperture for electrically communicating with the portable electronic device, wiring of the connector for transferring data from the portable electronic device;

wherein the portion of the support elastically deforms in response to non-axial movement of at least a portion of the connector.

16. A connector assembly as claimed in claim 15, wherein the support includes a spring component received in a support tray, the spring component being elastically deformable.

17. A connector assembly as claimed in claim 15, wherein the spring component comprises a passage for receiving the connector, the passage comprising ribs for contacting the connector.

18. A connector assembly as claimed in claim 17, wherein a cross-sectional area of the ribs is reduced between a top end of the spring component and a bottom end of the spring component, the top end being located adjacent the aperture of the housing.

19. A connector assembly as claimed in claim 15, wherein the spring component biases the connector to a starting position within the passage.

20. A connector assembly as claimed in claim 15, comprising a collar abutting the connector within the housing to limit translation of the connector.