IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of Hua et al.:

U.S. Patent No. 8,059,015

Issued: November 15, 2011

Title: CAPACITANCE SENSING MATRIX FOR KEYBOARD ARCHITECTURE

Petitioner's Power of Attorney

Attorney Docket No.: 3542-135

Customer No.: 06449

Real Parties in Interest: LG ELECTRONICS, INC., LG ELECTRONICS U.S.A., INC., and LG ELECTRONICS MOBILECOMM U.S.A., INC.

PETITIONER'S POWER OF ATTORNEY PURSUANT TO 37 CFR 42.10(b) FOR PETITION FOR INTER PARTES REVIEW

Mail Stop Patent Board Patent Trial and Appeal Board P.O. Box 1450 Alexandria, VA 22313-1450

Petitioner LG ELECTRONICS MOBILECOMM U.S.A., INC. hereby appoints the Practitioner(s) associated with Customer Number 06449 as its attorney(s) to prosecute and to transact all business in the Patent Trial & Appeal Board of the United States Patent and Trademark Office connected with the above-identified petition for *Inter Partes* Review.



Please direct all communication regarding this Petition to Customer Number 06449, copying if appropriate email address <u>info@rfem.com</u>.

| T | 204 | Counsel | |
|----|------|---------|--|
| L. | tau. | Counser | |

Jason Shapiro Rothwell, Figg, Ernst & Manbeck, P.C.

607 14th Street NW

Suite 800

Washington, DC 20005

Tel: (202) 783-6040 Fax: (202) 783-6031

jshapiro@rothwellfigg.com

USPTO Customer No. 06449 USPTO Reg. No. 35,354

Back-up Counsel

Soymya P. Panda

Rothwell, Figg, Ernst & Manbeck, P.C.

607 14th Street NW

Suite 800

Washington, DC 20005

Tel: (202) 783-6040 Fax: (202) 783-6031

spanda@rothwellfigg.com

USPTO Customer No. 06449 USPTO Reg. No. 60,447

The undersigned is authorized to sign this Power of Attorney on behalf of the Petitioner LG ELECTRONICS MOBILECOMM U.S.A., INC.

For Petitioner LG ELECTRONICS

MOBILECOMMU.S.A., INC.

Name:

Hongsun Youn

Title.

or IP Counsel

Date:

2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of Hua et al.:

U.S. Patent No. 8,059,015

Issued: November 15, 2011

Title: CAPACITANCE SENSING MATRIX FOR KEYBOARD ARCHITECTURE

Petitioner's Power of Attorney

Attorney Docket No.: 3542-135

Customer No.: 06449

Real Parties in Interest: LG ELECTRONICS, INC., LG ELECTRONICS U.S.A., INC., and LG ELECTRONICS MOBILECOMM U.S.A., INC.

PETITIONER'S POWER OF ATTORNEY PURSUANT TO 37 CFR 42.10(b) FOR PETITION FOR INTER PARTES REVIEW

Mail Stop Patent Board Patent Trial and Appeal Board P.O. Box 1450 Alexandria, VA 22313-1450

Petitioner LG ELECTRONICS U.S.A., INC. hereby appoints the Practitioner(s) associated with Customer Number 06449 as its attorney(s) to prosecute and to transact all business in the Patent Trial & Appeal Board of the United States Patent and Trademark Office connected with the above-identified petition for *Inter Partes* Review.



Please direct all communication regarding this Petition to Customer Number 06449, copying if appropriate email address <u>info@rfem.com</u>.

| T | ead | Counsel | |
|---|-----|---------|--|
| 1 | vau | Counsei | |

Jason Shapiro

Rothwell, Figg, Ernst & Manbeck, P.C.

607 14th Street NW

Suite 800

Washington, DC 20005

Tel: (202) 783-6040 Fax: (202) 783-6031

jshapiro@rothwellfigg.com

USPTO Customer No. 06449 USPTO Reg. No. 35,354

Back-up Counsel

Soymya P. Panda

Rothwell, Figg, Ernst & Manbeck, P.C.

607 14th Street NW

Suite 800

Washington, DC 20005

Tel: (202) 783-6040 Fax: (202) 783-6031

spanda@rothwellfigg.com

USPTO Customer No. 06449 USPTO Reg. No. 60,447

The undersigned is authorized to sign this Power of Attorney on behalf of the Petitioner LG ELECTRONICS U.S.A., INC.

For Petitioner LG ELECTRONICS U.S.A., INC.

Name: Ho.

Title: Senzor

Date:

August 11,2014

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of Hua et al.:

U.S. Patent No. 8,059,015

Issued: November 15, 2011

Title: CAPACITANCE SENSING MATRIX

FOR KEYBOARD ARCHITECTURE

Petitioner's Power of Attorney

Attorney Docket No.: 3542-135

Customer No.: 06449

Real Parties in Interest: LG ELECTRONICS, INC., LG ELECTRONICS U.S.A., INC., and LG ELECTRONICS MOBILECOMM

U.S.A., INC.

PETITIONER'S POWER OF ATTORNEY PURSUANT TO 37 CFR 42.10(b) FOR PETITION FOR INTER PARTES REVIEW

Mail Stop Patent Board Patent Trial and Appeal Board P.O. Box 1450 Alexandria, VA 22313-1450

Petitioner LG ELECTRONICS, INC. hereby appoints the Practitioner(s) associated with Customer Number 06449 as its attorney(s) to prosecute and to transact all business in the Patent Trial & Appeal Board of the United States Patent and Trademark Office connected with the above-identified petition for *Inter Partes* Review.



DOCKET

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

