IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In repatent of Yoo et al.:

Petitioner's Power of Attorney

U.S. Patent No. RE43,106

Attorney Docket No.: 3542-140

Issued: January 17, 2012

Customer No.: 06449

Title: OPTICAL PICKUP COMPATIBLE WITH A DIGITAL VERSATILE DISK AND A RECORDABLE COMPACT DISK USING A HOLOGRAPHIC RING LENS

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.



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

Lead Counsel

Jason M. Shapiro

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

607 14th Street, N.W.

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

Michael V. Battaglia

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

607 14th Street, N.W.

Suite 800

Washington, DC 20005

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

mbattaglia@rothwellfigg.com

USPTO Customer No. 06449 USPTO Reg. No. 64,932

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

For Petitioner LG LECTRONICS, INC.

Name: Young Kuk Kim

Title: Senior Manager

Date: July 30, 2015

