

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

FACEBOOK, INC and WHATSAPP INC.,
Petitioners

v.

UNILOC LUXEMBOURG S.A.
Patent Owner

Case IPR2018-00747
U.S. Patent 7,535,890

PATENT OWNER POWER OF ATTORNEY

Pursuant to 37 CFR § 42.10(b), a Power of Attorney is submitted herewith. Patent Owner Uniloc Luxembourg S.A. hereby appoints the following practitioners as its attorneys to transact all business in the United States Patent and Trademark Office associated with *inter partes* review of U.S. Patent No. 7,535,890:

Patent Owner's Lead and Back-up Counsel	
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The individual signing below has the authority to execute this document on behalf of
Patent Owner Uniloc Luxembourg S.A and licensee Uniloc USA. Inc.

Respectfully submitted,



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CERTIFICATE OF SERVICE

I certify that the foregoing POWER OF ATTORNEY was served this date
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Date: March 26, 2018

/s/ Brett A. Mangrum
Brett A. Mangrum