

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

T-Mobile US, Inc., T-Mobile USA, Inc., and TeleCommunication Systems, Inc.,
Ericsson Inc., and Telefonaktiebolaget LM Ericsson
Petitioners,

v.

TracBeam, LLC,
Patent Owner.

U.S. Patent No. 8,032,153

Title: MULTIPLE LOCATION ESTIMATORS FOR WIRELESS LOCATION

PETITIONERS' POWER OF ATTORNEY

Petitioners T-Mobile US, Inc. and T-Mobile USA, Inc., TeleCommunication Systems, Inc., Ericsson Inc., and Telefonaktiebolaget LM Ericsson, hereby appoint the following practitioners as their attorneys to transact all business in the United States Patent and Trademark Office in connection with the *inter partes* review proceedings for the above-referenced patent:

Name	PTO Registration Number
Brian W. Oaks	Reg. No. 44,981
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The practitioners listed above are all attorneys with the law firm of Baker Botts LLP.

T-Mobile US, Inc. and T-Mobile USA, Inc.

The individual signing below has the authority to execute this document on behalf of Petitioners T-Mobile US, Inc. and T-Mobile USA, Inc.:

Alice Garber
Signature

3 aug. 2015
Date

Alice Garber
Print Name

Senior Corporate Counsel
Title

TeleCommunication Systems, Inc.

The individual signing below has the authority to execute this document on
behalf of Petitioner TeleCommunication Systems, Inc.:

Bruce A. White
Signature

Aug 5, 2015
Date

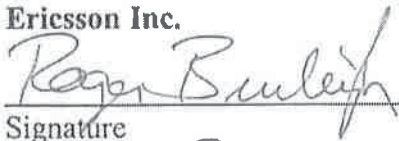
BRUCE A. WHITE
Print Name

SVP & General Counsel
Title

Ericsson Inc. and Telefonaktiebolaget LM Ericsson

The individuals signing below have the authority to execute this document
on behalf of Petitioners Ericsson Inc. and Telefonaktiebolaget LM Ericsson:

Ericsson Inc.


Signature

8/4/15
Date

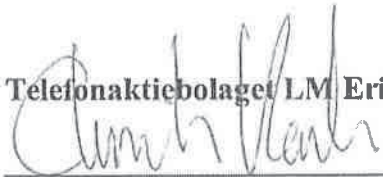
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