

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

T-MOBILE US, INC., T-MOBILE USA, INC.,
TELECOMMUNICATION SYSTEMS, INC., ERICSSON INC., and
TELEFONAKTIEBOLAGET LM ERICSSON
Petitioners,

v.

TRACBEAM, LLC,
Patent Owner

Case No. IPR2015-01687
Patent 7,764,231

**JOINT SUBMISSION OF NARROWING AGREEMENT
UNDER 37 U.S.C. § 317**

Pursuant to 35 U.S.C. § 317(b) and 37 C.F.R. § 42.74, Petitioners T-Mobile US, Inc., T-Mobile USA, Inc., TeleCommunication Systems, Inc., Ericsson Inc., and Telefonaktiebolaget LM Ericsson (collectively “Petitioners”) and Patent Owner TracBeam, LLC (“Patent Owner”) jointly submit a signed and binding Narrowing Agreement, memorializing their agreement to narrow their disputes relating to Patent Owner’s patents, including the present proceeding.

The agreement recites certain confidential and sensitive business information of both Petitioners and Patent Owner. Accordingly, the parties jointly request that the Board treat this agreement (Exhibit 2004) as business confidential information, maintain the agreement separate from the file of the involved patent, and make the agreement available only as necessary and permitted under 35 U.S.C. §317(b) and 37 C.F.R. § 42.74(c).

Respectfully submitted,

Date: November 24, 2015

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CERTIFICATE OF FILING AND SERVICE

I hereby certify that true and correct copies of the foregoing **JOINT SUBMISSION OF NARROWING AGREEMENT UNDER 37 U.S.C. § 317 AND EXHIBIT 2004** are being filed via PRPS and served by electronic mail this 24th day of November, 2015 on counsel for Petitioners as follows:

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