

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.,
Petitioner,

v.

BELL NORTHERN RESEARCH, LLC,
Patent Owner.

U.S. Patent No. 8,416,862 B2

Filing Date: September 28, 2005

Issue Date: April 9, 2013

Title: EFFICIENT FEEDBACK OF CHANNEL INFORMATION
IN A CLOSED LOOP BEAMFORMING WIRELESS
COMMUNICATION SYSTEM

Inter Partes Review No. IPR2021-01590

PATENT OWNER'S POWER OF ATTORNEY

Pursuant to 37 C.F.R. § 42.10, Patent Owner Bell Northern Research, LLC (“BNR”), hereby appoints the practitioners associated with Customer No. 25871, including the following lead and back-up counsel, as its attorneys to transact all business in the United States Patent & Trademark Office associated with the above-captioned *Inter Partes* Review.

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The individual signing below has the authority to execute this document on behalf of BNR.

Dated: October 25, 2021

By: *Afzal Dean*
 Afzal Dean
 President

CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.6, the undersigned hereby certifies that a copy of the foregoing **PATENT OWNER'S POWER OF ATTORNEY** was filed through the Patent Trial and Appeal Board End to End (PTAB E2E) electronic filing system on October 25, 2021, with confirmation copy served via electronic mail, on the following counsel of record for Petitioner:

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