IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of: Tsutomu Shimomura, et al.

U.S. Patent No.: 6,473,858

Issue Date: October 29, 2002

Appl. Serial No.: 09/293,079 Filing Date: April 16, 1999

Title: METHOD AND APPARATUS FOR BROADCASTING DATA WITH

ACCESS CONTROL

Mail Stop Patent Board

Patent Trial and Appeal Board U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

PATENT OWNER'S POWER OF ATTORNEY IN AN INTER PARTES REVIEW

Patent Owner, ARRIS Enterprises LLC and Real Party-In-Interest ARRIS International plc, hereby appoint the following practitioners as its attorneys to transact all business in the United States Patent & Trademark Office associated with any *inter partes* review, covered business method review, post grant review, or other review proceedings before the Patent Trial and Appeal Board:

Christopher O. Green, Reg. No. 52,964

Jeremy Monaldo, Reg. No. 58,680

Erin Alper, Reg. No. 67,205

and all practitioners associated with PTO Customer Number 26171.

I have the authority to execute this document on behalf of ARRIS Enterprises LLC and ARRIS International plc.

ARRIS ENTERPRISES LLC

ARRIS INTERNATIONAL PLC

By:	By:
Name: Yrsy A. Van Aacken	Name: Troy A. Van Aacken
Title: VP, Lead Counsel	Title: VP, Lead Counsel
Date: October 5, 2017	Date: October 5, 2017

