

**POWER OF ATTORNEY FOR PROCEEDINGS  
BEFORE THE PATENT TRIAL AND APPEAL BOARD**

I hereby appoint:

The Practitioner(s) associated USPTO Customer No. 28120 as attorney(s) to prosecute proceedings before the Patent Trial and Appeal Board

Lead Counsel, **J. Steven Baughman**  
USPTO Registration No. 47,414  
Telephone Number: (202) 508 4606  
Ropes & Gray LLP, Prudential Tower, 800 Boylston Street, Boston, MA 02199-3600


Please direct all electronic correspondence to:

Name and Address of Real Party in Interest:

Apple Inc.  
1 Infinite Loop  
Cupertino, CA 95014

**SIGNATURE of Apple Inc.**

The individual whose signature and title is supplied below is authorized to act on behalf of  
Apple Inc.

Signature		Date:	10/28/14
Name	Noreen Krall	Telephone Number:	408 862-5159
Title	Vice President, Chief Litigation Counsel		

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor: Hulst et al.	§	Attorney Docket No.:
United States Patent No.: 8,033,458	§	104677-5008-814
Formerly Application No.: 12/943,847	§	Customer No. 28120
Issue Date: October 11, 2011	§	
Filing Date: November 10, 2010	§	Petitioner: Apple Inc.
Former Group Art Unit: 2887	§	
Former Examiner: Thien M. Le	§	

For: Data Storage and Access Systems

MAIL STOP PATENT BOARD  
Patent Trial and Appeal Board  
United States Patent and Trademark Office  
Post Office Box 1450  
Alexandria, Virginia 22313-1450

**CERTIFICATE OF SERVICE**

It is certified that a copy of the following document has been served in its entirety on the patent owner as provided in 37 CFR § 42.205:

1. Power of Attorney For Proceedings Before The Patent Trial and Appeal Board.

The copy has been served on October 30, 2014 by causing the aforementioned document to be deposited in the United States Postal Service as Express Mail postage pre-paid in an envelope addressed to:

DAVIDSON BERQUIST JACKSON & GOWDEY LLP  
4300 Wilson Blvd., 7th Floor  
Arlington, VA 22203

(Label No. EF 070 057 727 US)

Respectfully submitted,

**ROPES & GRAY LLP**

By /s/ Megan Raymond  
Megan F. Raymond