

**UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD**

<i>In re</i> patent of Kishiko Maruyama, et al.	Petition for <i>Inter Partes</i> Review
U.S. Patent No. 6,580,999 B2	Customer No. 118925
Issued: June 17, 2003	Real Party In Interest: Apple Inc.
Title: PORTABLE TERMINAL WITH FUNCTION OF WALKING NAVIGATION	

**PETITIONER'S POWER OF ATTORNEY PURSUANT TO
37 C.F.R. § 42.10(b) FOR PETITION FOR *INTER PARTES* REVIEW**

Pursuant to 37 CFR 42.10(b) Petitioner, Apple Inc., hereby appoints the Practitioner(s) associated with Customer Number 118925, as its attorney(s) to prosecute and to transact all business before the Patent Trial & Appeal Board of the United States Patent and Trademark Office in connection with the above-identified petition for *Inter Partes* Review.

Please recognize the correspondence address (including any electronic mail address) associated with Customer Number 118925 for the above-identified *Inter Partes* Review proceeding number to be the address associated with the appointed lead and backup counsels.

The undersigned is authorized to sign this Power of Attorney on behalf of the Petitioner.

Petitioner, Apple Inc.

By: 

Name: Noreen Krall

Title: Vice President, Chief Litigation Counsel

Date: Nov. 4, 2019