

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4270417

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VLADISLAV PETKOV	02/06/2017
HAINING ZHANG	02/06/2017
KARAN SANGHI	02/06/2017
SAURABH GARG	02/06/2017
<b>RECEIVING PARTY DATA</b>	
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<b>Street Address:</b>	1 INFINITE LOOP
<b>City:</b>	CUPERTINO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95014
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15273398
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(858) 675-1670
<b>Email:</b>	docket@gazpat.com
<b>Correspondent Name:</b>	GAZDZINSKI & ASSOCIATES, PC
<b>Address Line 1:</b>	16644 WEST BERNARDO DR., SUITE 201
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92127
<b>ATTORNEY DOCKET NUMBER:</b>	APPLE.582A
<b>NAME OF SUBMITTER:</b>	PETER J. GUTIERREZ, III
<b>SIGNATURE:</b>	/PETER J. GUTIERREZ, III/
<b>DATE SIGNED:</b>	02/10/2017
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS, We, VLADISLAV PETKOV, HAINING ZHANG, KARAN SANGHI, and SAURABH GARG have invented certain new and useful improvements in an **METHODS AND APPARATUS FOR LOADING FIRMWARE ON DEMAND** for which we have filed an application for Letters Patent on \_\_\_\_\_<sup>1</sup>, in the United States, as Application Serial No. \_\_\_\_\_<sup>1</sup>, which claims priority to U.S. Provisional Patent Application Serial No. 62/301,487 filed March 1, 2016;

AND WHEREAS, APPLE INC. (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of business at 1 Infinite Loop, Cupertino, California 95014, United States of America, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

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<sup>1</sup> Any attorney or agent of record and any registered attorney or agent of Gazdzinski & Associates, PC, 16644 West Bernardo Drive, Suite 201, San Diego CA, 92128, telephone (858) 675-1670, is hereby authorized to insert, when known.

ASSIGNMENT

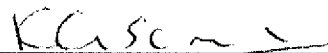
Executed this 6 day of February 2017.

  
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VLADISLAV PETKOV

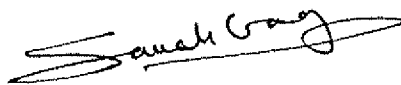
Executed this 6 day of Feb. 2017.

  
\_\_\_\_\_  
HAINING ZHANG

Executed this 6 day of Feb 2017.

  
\_\_\_\_\_  
KARAN SANGHI

Executed this 6 day of Feb 2017.

  
\_\_\_\_\_  
SAURABH GARG