PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSHUA P. DE CESARE	09/28/2017
XENO S. KOVAH	09/28/2017
NIKOLAJ SCHLEJ	09/28/2017
JEFFREY R. WILCOX	09/28/2017
EZEKIEL T. RUNYON	09/28/2017
COREY KALLENBERG	09/29/2017

RECEIVING PARTY DATA

Name:	APPLE INC.
Street Address:	1 INFINITE LOOP
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15721365

CORRESPONDENCE DATA

Fax Number: (512)853-8801

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.

Phone: 512 853 8800

Email: ahogenmiller@intprop.com

MEYERTONS, HOOD, KIVLIN, KOWERT & G (APP **Correspondent Name:**

Address Line 1: P.O. BOX 398

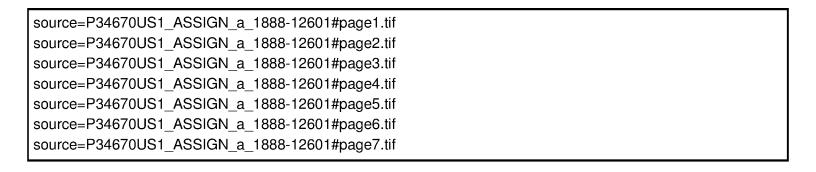
Address Line 4: AUSTIN, TEXAS 78767-0398

ATTORNEY DOCKET NUMBER:	1888-12601
NAME OF SUBMITTER:	ERIK A. HETER
SIGNATURE:	/ Erik A. Heter /
DATE SIGNED:	09/29/2017

Total Attachments: 7

PATENT REEL: 043746 FRAME: 0028

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PATENT REEL: 043746 FRAME: 0029

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to <u>Apple Inc.</u> (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at <u>1 Infinite Loop</u>, <u>Cupertino</u>, <u>CA 95014</u>, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled <u>Method and Apparatus for Secure System Boot</u>, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned:

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof, and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

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PATENT REEL: 043746 FRAME: 0030

(Signature) _ Name:	Joshua P. de Cesare	Date: $\frac{9/28/30/7}{}$
(Signature) _ Name:	Timothy R. Paaske	Date:
(Signature) _ Name:	Xeno S. Kovah	Date:
(Signature) _ Name:	Nikolaj Schlej	Date:
(Signature) _ Name:	Jeffrey R. Wilcox	Date:
(Signature) _ Name:	Ezekiel T. Runyon	Date:
(Signature) _ Name:	Hardik Doshi	Date:
(Signature) _ Name:	Kevin Alderfer	Date:
(Signature) _ Name:	Corey Kallenberg	Date:

Customer No. 81310

(Signature)	2 1 25 2 65	Date:
Name:	Joshua P. de Cesare	
(Signature)		Date:
Name:	Timothy R. Paaske	
(Signature) { Name:	Xeno S. Koyah	Date: 9-28-201
(Signature)		Date:
Name;	Nikolaj Schlej	
(Signature)_		Date:
Name:	Jeffrey R. Wilcox	
(Signature)		Date:
Name:	Ezekiel T. Runyon	1200.7
(Signatura)		Date:
Name:	Hardik Doshi	Date,
(Sianatura)		Date:
Name:	Kevin Alderfer	Date.
(Signature)		Date:
Name:	Corey Kallenberg	EZERCE.

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(Signature)	Joshua P. de Cesare	Date:
Name:	Joshua P. de Cesare	
(Signature)	Timothy R. Paaske	Date:
Name:	i motny K. Paaske	
(Signature) _	Xeno S. Kovah	Date:
(Signature) _	Newing Salvey Nikolaj Schlej	
Name:	Nikolaj Schlej	
(Signature) _	Jeffrey R. Wilcox	Date:
Name:	Jeffrey R. Wilcox	
(Signature)_		Date:
Name:	Ezekiel T. Runyon	
(Signature) _	Hardik Doshi	Date:
Name:	Hardik Doshi	
(Signature) _		Date:
Name:	Kevîn Alderfer	
(Signature)		Date:
Name:	Corey Kallenberg	

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(Signature)_		Date:	
Name:	Joshua P. de Cesare		
(Signature)_		Date:	***************************************
Name:	Timothy R. Paaske		
(Signature)_	Xeno S. Kovah	Date:	
Name:	Xeno S. Kovah		
(Signature)_	Nikolaj Schlej	Date:	***************************************
Name:	Nikolaj Schlej		
(Signature)_	Seffrey R. Wilcox	Date:)/28/17
Name:	Feffrey R. Wilcox		
(Signature)_	Ezekiel T. Runyon	Date:	
Name:	Ezekiel T. Runyon		
(Signature)_		Date:	
Name:	Hardik Doshi		
(Signature)_		Date:	
Name:	Kevin Alderfer		
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(Signature)	Y X & X & X & X & X & X & X & X & X & X	Date:
Name:	Joshua P. de Cesare	
(Signature) _	Timothy R. Paaske	Date:
Name:	Timothy R. Paaske	
(Signature) _		Date:
Name:	Xeno S. Kovah	
(Signature) _		Date;
Name:	Nikolaj Schlej	
(Signature) _		Date:
Name:	Jeffrey R. Wilcox	
(Signature) _	Ezekiel T. Runyon	
Name:	Ezekiel T. Runyon	
(Signature) _		Date:
Name:	Hardik Doshi	
(Signature) _	Kevîn Alderfêr	Date:
Name:	Kevin Alderfer	
(Signature) _		Date:
Name:	Corey Kallenberg	

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(Signature)	* 1 5 2 5	Date:
Name:	Joshua P. de Cesare	
(Signature) _ Name:	Timothy R. Paaske	Date:
	Xeno S. Kovah	, and
(Signature) _ Name:	Nikolaj Schlej	Date:
(Signature) _ Name:	Jeffrey R. Wilcox	Date:
(Signature) _ Name:	Ezekiel T. Runyon	Date:
(Signature) _ Name;	Hardik Doshi	Date:
(Signature) _ Name:	Kevin Alderfer	Date:
(Signature) _ Name:	COUL Hollows	Date: 9-27-2017

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RECORDED: 09/29/2017