

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	VENKATESWARA RAO MANEPALLI	06/13/2016
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	JIANXIONG SHI	06/14/2016
	VIJAY VENKATARAMAN	06/13/2016
	MADHUSUDAN CHAUDHARY	06/14/2016
	SRINIVASAN NIMMALA	06/13/2016
	SRINIVAS BURUGUPALLI	06/13/2016
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City:	CUPERTINO	
State/Country:	CALIFORNIA	
Postal Code:	95014	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15174616	
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NAME OF SUBMITTER:	JEFFREY C. HOOD
SIGNATURE:	/Jeffrey C. Hood/
DATE SIGNED:	06/15/2016
Total Attachments: 3 source=P31398US1_ASSIGN-MP_8888-92700#page1.tif source=P31398US1_ASSIGN-MP_8888-92700#page2.tif source=P31398US1_ASSIGN-MP_8888-92700#page3.tif	

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 Apple Inc. (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 1 Infinite Loop, Cupertino, CA 95014, 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 was filed **June 6, 2016**, Serial No. **15/174,616**, and is entitled **Cellular Service Recovery using Cell-Specific Service History**, 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;

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assigns.

(Signature) M. Venkateswara Rao
Name: Venkateswara Rao Manepalli

Date: 06/13/2016

(Signature) Vijay Kumar Ramamurthi
Name: Vijay Kumar Ramamurthi

Date: 6/12/2016

(Signature) Srirang A. Lovlekar
Name: Srirang A. Lovlekar

Date: 6/13/2016

(Signature) Lakshmi N. Kavuri
Name: Lakshmi N. Kavuri

Date: June 13 - 2016

(Signature) Thanigaivelu Elangovan
Name: Thanigaivelu Elangovan

Date: 06/13/2016

(Signature) Jianxiong Shi
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(Signature) Vijay Venkataraman
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Date: 6/13/2016

(Signature) M. Chaudhary
Name: Madhusudan Chaudhary

Date: 06/14/2016

(Signature) N. Srinivasan
Name: Srinivasan Nimmala

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(Signature) Srinivas
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