


FORM PTO 1585

RECORDATION FORM COVER SHEET
U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

<p>1. Name of conveying party(ies): Hyung-Nam CHOI, Maik BIENAS and Achim LUFT Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): APPLE INC. Street Address: 1 Infinite Loop, Cupertino, CA 95014</p>
<p>3. Nature of conveyance: <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other: <u>To correct Notice of Recordation of Assignment</u> <u>Document No. 502 661 374, Reel/Frame: 032105/0349,</u> <u>Recordation Date: 01/31/2014; To Correct the Title to: "Methods</u> <u>And Apparatus For Optimization Of Femtocell Network</u> <u>Management"</u> Execution dates: 08/31/2009, 08/26/2009 and 08/26/2009</p>	<p>4. Application numbers or patent numbers A. Patent Applications: 14/169,534 filed on January 31, 2014 B. Patent No.(s): Additional Numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: Michael J. Marcin, Esq. Internal Address: Fay Kaplun & Marcin, LLP Street Address: <u>150 Broadway, Suite 702</u> City: <u>New York</u> State: <u>New York</u> ZIP: <u>10038</u></p>	<p>6. Total number of applications and patents involved: 1 TITLE: Methods And Apparatus For Optimization Of Femtocell Network Management</p> <p>7. Total fee (37 C.F.R. 3.41) \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 50-1492</p>
DO NOT USE THIS SPACE	
<p>9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i></p>	
<p><u>Michael J. Marcin, (Reg. 48,198)</u> Name of Person Signing</p>	<p style="text-align: center;"> Signature</p>
<p>Date <u>4/10</u>, 2014</p>	
<p>Total Number of pages including cover sheet, attachments, and document:</p>	
<p>OMB No. 0651-0011 (exp. 4/94)</p>	
<p>Do not detach this portion</p>	
<p>Mail documents to be recorded with required cover sheet information to:</p> <p style="text-align: center;">Mail Stop: Assignments Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450</p>	

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PATENT
REEL: 032764 FRAME: 0806

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HYUNG-NAM CHOI	08/31/2009
MAIK BIENAS	08/26/2009
ACHIM LUFT	08/26/2009
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:	14169534
CORRESPONDENCE DATA	
Fax Number:	(212)619-0276
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>	
Correspondent Name:	APPLE INC. -- FKM
Address Line 1:	150 BROADWAY
Address Line 2:	SUITE 702
Address Line 4:	NEW YORK, NEW YORK 10038
ATTORNEY DOCKET NUMBER:	30134/01014
NAME OF SUBMITTER:	MICHAEL J. MARCIN

PATENT
REEL: 032764 FRAME: 0807

Signature:	/Michael J. Marcin/
Date:	01/31/2014
Total Attachments: 2 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif	
RECEIPT INFORMATION	
EPAS ID:	PAT2707981
Receipt Date:	01/31/2014

Application No.: 12/496,550
Filing Date: July 1, 2009

PATENT
Docket: APPLE.129A/P7524US1
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ASSIGNMENT

WHEREAS, We, **HYUNG-NAM CHOI**, a citizen of Germany, residing at Amrumer Knick 11, 22117 Hamburg, Germany; **MAIK BIENAS**, a citizen of Germany, residing at Kroegerstr. 44, 38126 Braunschweig, Germany; and **ACHIM LUFT**, a citizen of Germany, residing at Maibaumstr. 7H, 38118 Braunschweig, Germany; have invented certain new and useful improvements in a **METHODS AND APPARATUS FOR OPTIMIZATION OF FEMTOCELL NETWORK MANAGEMENT** for which we have filed an application for Letters Patent on July 1, 2009 in the United States, Application No. 12/496,550;

AND WHEREAS, **APPLE INC.** (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of business at 1 Infinite Loop, Cupertino, CA 95014, 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.

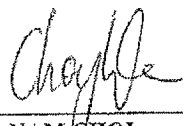
AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, 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.

Application No.: 12/496,550
Filing Date: July 1, 2009

PATENT
Docket: APPLE.129A/P7524US1
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ASSIGNMENT

Executed this 31st day of August 2009



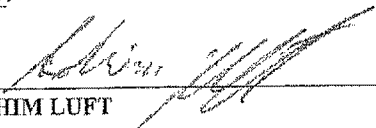
HYUNG-NAM CHOI

Executed this 26th day of August 2009



MAIK BIENAS

Executed this 26th day of August 2009



ACHIM LUFT