

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Richard Michael Reindl	02/12/2008
Byungchae Kim	02/12/2008
RECEIVING PARTY DATA	
Name:	L3 COMMUNICATIONS CORPORATION
Street Address:	600 Third Avenue
Internal Address:	34th Floor
City:	New York
State/Country:	NEW YORK
Postal Code:	10016
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12034347
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ATTORNEY DOCKET NUMBER:	LCOM-0712
NAME OF SUBMITTER:	Janis Calvo
<p>Total Attachments: 3</p> <p>source=ASSIGNMENT#page1.tif</p>	

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**PATENT**  
**REEL: 020554 FRAME: 0357**



**DOCKET NO.: LCOM-0712**

**PATENT**  
**Joint Inventors**  
**(Pending Application;**  
**Application No. Unknown)**

**ASSIGNMENT**

WHEREAS, we Richard Michael Reindl and Byungchae Kim, hereinafter referred to as the assignors, residing respectively at 29 Teddington Way, Mt. Laurel, New Jersey 08054 and 1075 Birch Lane, Garnet Valley, Pennsylvania 19061 are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Case No. LCOM-0712, entitled SELF CLOCK GENERATION; and

WHEREAS, L3 Communications Corporation, hereinafter referred to as the assignee, of 600 Third Avenue, 34th Floor, New York, New York 10016, a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, including the full right to sue for and collect damages for past violations of provisional rights having arisen from any publication of said application or any continuations, divisions, or renewals of or substitutes for said application. We further assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to

DOCKET NO.: LCOM-0712

PATENT  
Joint Inventors  
(Pending Application;  
Application No. Unknown)

obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks 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 to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

We further authorize and direct our attorneys to insert below\* the application number and filing date of said application now identified as Case No. LCOM-0712 as soon as the same shall have been made known to them by the United States Patent Office.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

2/12/08  
Date

Richard Michael Reindl (L.S.)  
Richard Michael Reindl

STATE OF New Jersey :  
COUNTY OF Burlington : SS

On this 12th day of February, year of 2007, before me personally came the above named Richard Michael Reindl to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.


Dianne M. Novelly  
Notary Public

Dianne M. Novelly  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 5/23/2012

DOCKET NO.: LCOM-0712


PATENT  
Joint Inventors  
(Pending Application;  
Application No. Unknown)

2/12/08  
Date

 (L.S.)  
Byungchae Kim

STATE OF New Jersey :  
COUNTY OF Burlington : SS

On this 12th day of February year of 2007, before me personally came the above named Byungchae Kim to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

  
Notary Public

\*The above assignment covers Application No.

12,034,347, filed on February 20, year of 2008

Dianne M. Novelly  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 5/23/2012

The above insertion made by me this 25th day of  
February, year of 2008

of

  
WOODCOCK WASHBURN LLP

Name: Joseph R. Condo  
Registration No. 42,431