

## PATENT ASSIGNMENT

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| SUBMISSION TYPE:           | NEW ASSIGNMENT            |
|----------------------------|---------------------------|
| NATURE OF CONVEYANCE:      | ASSIGNMENT                |
| CONVEYING PARTY DATA       |                           |
| Name                       | Execution Date            |
| SK Telecom Co., Ltd.       | 02/14/2012                |
| RECEIVING PARTY DATA       |                           |
| Name:                      | SK Planet Co., Ltd.       |
| Street Address:            | 11, Euljiro 2-ga, Jung-gu |
| City:                      | Seoul                     |
| State/Country:             | KOREA, REPUBLIC OF        |
| Postal Code:               | 100-844                   |
| PROPERTY NUMBERS Total: 28 |                           |
| Property Type              | Number                    |
| Patent Number:             | 7593720                   |
| Patent Number:             | 7792520                   |
| Application Number:        | 12810263                  |
| Application Number:        | 12810405                  |
| Application Number:        | 12678380                  |
| Application Number:        | 12678367                  |
| Application Number:        | 12866318                  |
| Application Number:        | 12866105                  |
| Application Number:        | 12866607                  |
| Application Number:        | 12990117                  |
| Application Number:        | 13144882                  |
| Application Number:        | 13144909                  |
| Application Number:        | 13144913                  |
| Application Number:        | 13128850                  |
| Application Number:        | 13132255                  |

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|                     |          |
|---------------------|----------|
| Application Number: | 13132275 |
| Application Number: | 11573886 |
| Application Number: | 12982193 |
| Application Number: | 12982394 |
| Application Number: | 11573966 |
| Application Number: | 11573865 |
| Application Number: | 13029800 |
| Application Number: | 11573887 |
| Application Number: | 11909439 |
| Application Number: | 12161303 |
| Application Number: | 12676487 |
| Application Number: | 11482291 |
| Application Number: | 12678050 |

**CORRESPONDENCE DATA**

Fax Number: (703)518-5499  
Phone: 7035357340  
Email: yshgroup@ipfirm.com  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*  
Correspondent Name: Lowe Hauptman Ham & Berner, LLP  
Address Line 1: 1700 Diagonal Road, Suite 300  
Address Line 4: Alexandria, VIRGINIA 22314

|                         |             |
|-------------------------|-------------|
| ATTORNEY DOCKET NUMBER: | 4900-G002   |
| NAME OF SUBMITTER:      | Yoon S. Ham |

Total Attachments: 3  
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ASSIGNMENT

WHEREAS, **SK Telecom Co., Ltd.**, a corporation of Republic of Korea, located and doing business at 11, Euljiro 2-ga, Jung-gu, Seoul 100-999, Republic of Korea (hereinafter Assignor) is an owner of U.S. Letters Patent Nos. **7,593,720**; and **7,792,520**, and U.S. Patent Application Nos. **12/810,263**; **12/810,405**; **12/678,380**; **12/678,367**; **12/866,318**; **12/866,105**; **12/866,607**; **12/990,117**; **13/144,882**; **13/144,909**; **13/144,913**; **13/128,850**; **13/132,255**; **13/132,275**; **11/573,886**; **12/982,193**; **12/982,394**; **11/573,966**; **11/573,865**; **13/029,800**; **11/573,887**; **11/909,439**; **12/161,303**; **12/676,487**; **11/482,291**; and **12/678,050** by virtue of an Assignment as shown in the appendix A attached herewith.

WHEREAS, **SK Planet Co., Ltd.**, a corporation of Republic of Korea, located and doing business at 11, Euljiro 2-ga, Jung-gu, Seoul 100-844, Republic of Korea (hereinafter Assignee) is desirous of acquiring the complete title and interest in said Letters Patents and Patent Applications.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor by these presents do sell, assign and transfers unto said Assignee, its successors, legal representatives, heirs and assigns the entire right, title and interest in the United States to said invention as described in U.S. Letters Patent Nos. **7,593,720**; and **7,792,520**, and U.S. Patent Application Nos. **12/810,263**; **12/810,405**; **12/678,380**; **12/678,367**; **12/866,318**; **12/866,105**; **12/866,607**; **12/990,117**; **13/144,882**; **13/144,909**; **13/144,913**; **13/128,850**; **13/132,255**; **13/132,275**; **11/573,886**; **12/982,193**; **12/982,394**; **11/573,966**; **11/573,865**; **13/029,800**; **11/573,887**; **11/909,439**; **12/161,303**; **12/676,487**; **11/482,291**; and **12/678,050**, and all re-issues, or extensions of said Letters Patents to be held and enjoyed by said Assignee for its own use, or for its legal representatives, successors, heirs, and assigns to the full end of the term for which said Letters Patents and Patent Applications are granted, and any extensions thereof, as fully and entirely as the same would have been held by said Assignor had this assignment and sale not been made, and for the same consideration said Assignor hereby covenants and agrees that at the time of execution and delivery of this instrument it is the lawful owner of the complete right, title and interest in and to said invention and said Letters Patents and Patent Applications above mentioned, and its interest is unencumbered and that it has good and full right and lawful authority to sell and convey its interest in the manner set forth herein; and for the same consideration Assignor hereby covenants and agrees that it will, when ever counsel for said Assignee, or counsel for their legal successors, legal representatives, heirs or assigns shall advise that any proceedings in connection with said Letters Patents and Patent Applications or any re-issue or extension

of said Letters Patents and Patent Applications to be obtained thereon, is lawful and desirable, sign all papers and documents, make all lawful oaths, and do all acts necessary as required to be done for the procurement, maintenance, enforcement and defense of said Letters Patents, without charge to said Assignor, its successors, legal representatives, heirs and assigns, but at the expense of said Assignee, their successors, legal representatives, heirs and assigns.

Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including the right to sue for, and collect damages for, any and all acts of past and future infringement.

Assignor hereby grants Lowe Hauptman Ham & Berner, LLP, 1700 Diagonal Road, Suite 300, Alexandria, VA 22314, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

**Assignor:**

**SK Telecom Co., Ltd.**

Date: 14/02/, 2012

Signature: 

Name: Bum Soo SHIN

Title: IPR Team Leader

Enclosed: Appendix A

## Appendix A

|    | U.S. Application No.<br>(U.S. Patent No.) | Filing Date<br>(Patent Issue Date)         | Reel No. | Frame No. | Recorded   | Atty Dkt No.  |
|----|---|--|----------|-----------|------------|---------------|
| 1  | 10/524,679<br>(U.S. Patent No. 7,593,720) | 9/30/2005<br>(Patent Issue Date 9/22/2009) | 016614   | 0936      | 9/30/2005  | 4900-0031     |
| 2  | 10/578,995<br>(U.S. Patent No. 7,792,520) | 3/28/2007<br>(Patent Issue Date 9/7/2010)  | 020948   | 0132      | 5/15/2008  | 4900-0015     |
| 3  | 12/810,263                                | 6/23/2010                                  | 024583   | 0091      | 6/23/2010  | 4900-0041     |
| 4  | 12/810,405                                | 6/24/2010                                  | 024589   | 0814      | 6/24/2010  | 4900-0042     |
| 5  | 12/678,380                                | 3/16/2010                                  | 024087   | 0151      | 3/16/2010  | 4900-0038     |
| 6  | 12/678,367                                | 3/16/2010                                  | 024086   | 0826      | 3/16/2010  | 4900-0039     |
| 7  | 12/866,318                                | 8/5/2010                                   | 024795   | 0257      | 8/5/2010   | 4900-0044     |
| 8  | 12/866,105                                | 8/4/2010                                   | 024788   | 0365      | 8/4/2010   | 4900-0043     |
| 9  | 12/866,607                                | 10/26/2010                                 | 025230   | 0130      | 10/26/2010 | 4900-0045     |
| 10 | 12/990,117                                | 10/28/2010                                 | 025212   | 0784      | 10/28/2010 | 4900-0046     |
| 11 | 13/144,882                                | 7/15/2011                                  | 026601   | 0562      | 7/15/2011  | 4900-0063     |
| 12 | 13/144,909                                | 7/15/2011                                  | 026602   | 0039      | 7/15/2011  | 4900-0064     |
| 13 | 13/144,913                                | 7/15/2011                                  | 026602   | 0082      | 7/15/2011  | 4900-0065     |
| 14 | 13/128,850                                | 5/11/2011                                  | 026264   | 0119      | 5/11/2011  | 4900-0057     |
| 15 | 13/132,255                                | 6/1/2011                                   | 026372   | 0496      | 6/1/2011   | 4900-0058     |
| 16 | 13/132,275                                | 6/1/2011                                   | 026372   | 0871      | 6/1/2011   | 4900-0059     |
| 17 | 11/573,886                                | 10/3/2007                                  | 019913   | 0480      | 10/3/2007  | 4900-0002     |
| 18 | 12/982,193                                | 12/30/2010                                 | 025559   | 0780      | 12/30/2010 | 4900-0002DIV  |
| 19 | 12/982,394                                | 12/30/2010                                 | 025773   | 0886      | 12/30/2010 | 4900-0002DIV2 |
| 20 | 11/573,966                                | 4/16/2008                                  | 020811   | 0890      | 4/16/2008  | 4900-0005     |
| 21 | 11/573,865                                | 11/13/2007                                 | 020113   | 0371      | 11/14/2007 | 4900-0004     |
| 22 | 13/029,800                                | 2/17/2011                                  | 025827   | 0353      | 2/17/2011  | 4900-0004DIV  |
| 23 | 11/573,887                                | 1/4/2008                                   | 020318   | 0200      | 1/4/2008   | 4900-0003     |
| 24 | 11/909,439                                | 10/14/2009                                 | 023371   | 0007      | 10/14/2009 | 4900-0008     |
| 25 | 12/161,303                                | 12/18/2008                                 | 023175   | 0027      | 9/1/2009   | 4900-0060     |
| 26 | 12/676,487                                | 3/4/2010                                   | 024029   | 0818      | 3/4/2010   | 4900-0040     |
| 27 | 11/482,291                                | 7/7/2006                                   | 018051   | 0353      | 7/7/2006   | 4900-0027     |
| 28 | 12/678,050                                | 3/12/2010                                  | 024075   | 0029      | 3/12/2010  | 4900-0037     |