

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Sungjun YOON	05/02/2011
Kyoung-min PARK	05/02/2011
RECEIVING PARTY DATA	
Name:	Pantech Co., Ltd.
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State/Country:	REPUBLIC OF KOREA
Postal Code:	121-270
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13099500
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NAME OF SUBMITTER:	Hae-Chan Park
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ASSIGNMENT

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in

☒ an application for United States Letters Patent entitled **APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING OF CYCLIC SHIFT PARAMETER FOR SUPPORTING ORTHOGONALITY IN MIMO ENVIRONMENT** ("Application");

☐ upon which United States Letters Patent, Patent Number _____, has issued ("Patent");

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same to:

PANTECH CO., LTD.
Pantech Bldg, I-2, DMC, Sangam-dong
Mapo-gu
Seoul 121-270
Republic of Korea

PANTECH CO., LTD. herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary



or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Assignor has hereunto set hand and seal.

First Inventor's Name: Sungjun YOON

Address: Pantech Bldg, I-2, DMC
Sangam-dong, Mapo-gu
Seoul 121-270
Republic of Korea

First Inventor's Signature:

Date:

02.05.2011

Second Inventor's Name: Kyoung-min PARK

Address: Pantech Bldg., I-2, DMC
Sangam-dong, Mapo-gu
Seoul 121-270
Republic of Korea

Second Inventor's Signature:

Date:

02.05.2011