

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Rath Vannithamby	05/22/2007
Minnie Ho	05/22/2007
Qinghua Li	04/17/2007

RECEIVING PARTY DATA

Name:	Intel Corporation
Street Address:	2200 Mission College Boulevard
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11688202

CORRESPONDENCE DATA

Fax Number: (503)796-2900

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 503-222-9981

Email: cdoolittle@schwabe.com

Correspondent Name: Schwabe, Williamson & Wyatt P.C.

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Address Line 2: Suite 1900

Address Line 4: Portland, OREGON 97204

ATTORNEY DOCKET NUMBER:

111027-153347

NAME OF SUBMITTER:

Nathan R. Maki

Total Attachments: 4

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ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

RATH VANNITHAMBY, MINNIE HO and QINGHUA LI

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95052 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent entitled:

UPLINK AND DOWNLINK CONTROL SIGNALING IN WIRELESS NETWORKS

which was filed on 03/19/2007 as

United States Application Number 11/688,202

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

V. Rath 05-22-2007
RATH VANNITHAMBY (Today's Date)

MINNIE HO (Today's Date)

QINGHUA LI (Today's Date)

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

RATH VANNITHAMBY

(Today's Date)

Minnie Ho
MINNIE HO

05/22/07
(Today's Date)

QINGHUA LI

(Today's Date)

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

RATH VANNITHAMBY

(Today's Date)

MINNIE HO

(Today's Date)



QINGHUA LI

04/17/2007

(Today's Date)