## 501905169 04/30/2012

# PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Vahid Tarokh	10/31/2003
Yang-Seok Choi	10/31/2003
Siavash Alamouti	10/31/2003

#### RECEIVING PARTY DATA

Name:	Vivato, Inc.	
Street Address:	12610 E. Mirabeau Parkway, #900	
City:	Spokane	
State/Country:	WASHINGTON	
Postal Code:	99216	

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13085335

### CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 43273-507C02US

NAME OF SUBMITTER: Carl A. Kukkonen, III

Total Attachments: 3

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PATENT REEL: 028129 FRAME: 0677 OP \$40.00 13085335

501905169

Attorney	Docket No	MN1-004LIS
Serial No.	(if known)	

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number
Filing Date
Inventorship
Applicant
Attorney's Docket No.

Not Yet Assigned Executed Concurrently Herewith Tarokh et al Microsoft Corporation MN1-004US

Title: Complementary Beamforming Methods and Apparatuses

# PATENT ASSIGNMENT

# PARTIES TO THE ASSIGNMENT

## Assignor(8):

Vahid Tarokh 157 Pleasant Street Apt 305 Cambridge, MA 02139

Yang-Seok Choi 22809 East Country Vista Drive, Apt. 438 Liberty Lake, WA 99019

Siavash Alamouti 2123 West 1st Ave, Apt 3 Spokane, WA 99204

### Assignee:

Vivato Inc. 12610 E. Mirabeau Parkway, #900 Spokane, WA 99216

# <u>AGREEMENT</u>

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "Complementary Beamforming Methods and Apparatuses," as described and claimed in the specification forming part of an application for United States letters patent referenced above;

WHEREAS, Vivato, Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at 12610 E. Mirabeau Parkway, #900, Spokane, WA 99216, is desirous of acquiring the entire right, title and interest in and to

> PRATERNT REEEL 0285233 FRAME: 08687

Attorney Docket No	MN1-004U5
Serial No. (if known)	

the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent · therefor.

10/31/03

Vahid Tarokh

PRATENT REEE 0281237 FRAME: 0668

Tarold

Attorney Docket No.	MN1-004US
Serial No. (if known)	

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged. ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said ASSIGNOR(S) agree to execute all instruments and documents invention to ASSIGNEE. required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date

10/31 (03 Date

Date

10.31.03

Date

Vahid Tarokh

Yang-Seok Choi

Siavash Alamouti

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