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9-17-03

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Conveying Party(ies)

1. Kun Tan
2. Qian Zhang
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4.
5.
6.

09-26-2003


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Execution Date(s)
September 16, 2003
September 16, 2003
September 16, 2003

Mark if Additional Names of Conveying Parties Attached

Receiving Party

Name: Microsoft Corporation
Address: One Microsoft Way
Address: Redmond WA 98052
City: State/Country: Zip Code

Mark if Additional Names of Receiving Parties Attached

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Pages Enter the total number of pages of the attached conveyance document including any attachments: 5

Application Number(s) or Patent Number(s) Mark if additional numbers attached
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Patent Application Numbers		Patent Numbers	
09/26/2003 ECDMPER	0000026 121216 10664354	10664354	
01 FC APP1	48-00-38		

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
September 16, 2003

Patent Cooperation Treaty (PCT)
Enter PCT application number *only* if a U.S. Application Number has not been assigned.

PCT	PCT	PCT
PCT	PCT	PCT

Number of Properties Enter the total number of properties involved: 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

Method of Payment:

Enclosed is a check in the amount of

Charge Deposit Account No. 12-1216 (was already authorized through Utility Transmittal).
Authorization to Charge Additional Fees to Deposit Account No. 12-1216: Yes No

Statement and Signature
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Jeffery J. Makeever, Reg. No. 37390		September 17, 2003
Name of Person Signing	Signature	Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship.....Kun Tan et al.
Applicant..... Microsoft Corporation
Attorney Docket No. 223538
MS Docket No. 304864.01
Title: METASPACE: COMMUNICATION MIDDLEWARE FOR PARTIALLY CONNECTED
MOBILE AD HOC NETWORKS

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

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AGREEMENT

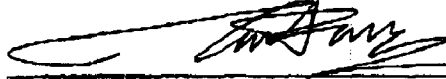
WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "METASPACE: COMMUNICATION MIDDLEWARE FOR PARTIALLY CONNECTED MOBILE AD HOC NETWORKS" as described and claimed in the specification forming part of an application for United States letters patent referenced above;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore 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.


2003/09/16
Date


Kun Tan

9/16/2003
Date

Qian Zhang
Qian Zhang

9/16/03
Date


Wenwu Zhu