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<p>1. Name of conveying party(ies):</p> <p>Scott R. Shell Alan W. Shen Roman Sherman</p> <p><i>07/23/01</i></p>	<p>2. Name and address of receiving party(ies):</p> <p>Microsoft Corporation One Microsoft Way Redmond, WA 98052</p>
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Additional name(s) of conveying party(ies) attached? Yes No

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: 6-18-01; 6-22-01; 7-16-01

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 6-18-01; 6-22-01; 7-16-01

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: M. Todd Mitchem Address: Merchant & Gould P.C. P.O. Box 2903 Minneapolis, MN 55402-0903</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725</p>
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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.

M. Todd Mitchem *Todd Mitchem* July 23, 2001
Name of Person Signing Signature Date

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PATENT REEL: 012011 FRAME: 0684

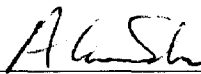
ASSIGNMENT

WHEREAS, we, Alan W. Shen, Scott R. Shell and Roman Sherman (hereinafter referred to as ASSIGNORS), having post office addresses of 8216 Corliss Avenue, North, Seattle, WA 98103; 8500 148th Avenue, N.E., Apt. D1012, Redmond, WA 98052; and 604 122 Avenue, N.E., Bellevue, WA 98005, respectively, are the joint inventors of an invention entitled "Radio Interface Layer," as described and claimed in the specification forming part of an application for United States letters patent filed on February 16, 2001, and assigned Serial No. 09/788,317.

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, Washington 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 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, ASSIGNORS hereby sell, assign and transfer unto said 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 ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS 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.

Date: July 16th, 2001



 Alan W. Shen



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PATENT TRADEMARK OFFICE

Date: 6/18/2001

Scott R. Shell
Scott R. Shell



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PATENT TRADEMARK OFFICE

Date: June 22, 2001

R Sherman
Roman Sherman

