

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | | ASSIGNMENT |
| CONVEYING PARTY DATA | | |
| Name | | Execution Date |
| AMER A. HASSAN | | 12/07/2004 |
| JENELLE R. COBERLY | | 12/07/2004 |
| RECEIVING PARTY DATA | | |
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| State/Country: | WASHINGTON | |
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| PROPERTY NUMBERS Total: 1 | | |
| Property Type | Number | |
| Application Number: | 11012815 | |
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PATENT ASSIGNMENT

WE, Amer Hassan and Jenelle R. Coberly ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ENERGY DETECTION RECEIVER FOR UWB" ("APPLICATION"), which:

- will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Leydig, Voit & Mayer, Ltd., Two Prudential Plaza, Suite 4900, 180 North Stetson Avenue, Chicago, Illinois 60601-6780, who are associated with customer number 38887, to insert here in parenthesis (U.S. Serial No. 11/012,815, filed 12/15/2004) this APPLICATION's U.S. Serial Number and filing date, when known;
- was filed on and was given U.S. Serial No.;
- is filed concurrently herewith;

Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Dec 7, 2004
DATE


Amer A. Hassan

DATE

Jenelle R. Coberly

PATENT ASSIGNMENT

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DATE

Amer A. Hassan

12/07/04

DATE

Jenelle Coberly

Jenelle R. Coberly

PATENT