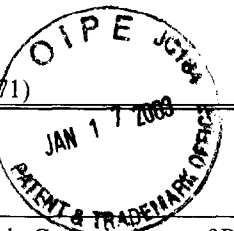


01-27-2003

FORM PTO-1595

1-31-92



102347609

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of Conveying Party(ies): ALL INDIVIDUALS

Dell USA, L.P.
One Dell Way
Round Rock, Texas 78682-2244

Additional name(s) of conveying party(ies) attached?

Yes ☒ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other

Execution Date: January 16, 2003

2. Name and Address of receiving Party(ies):

Name: Dell Products L.P.,

Street Address:

Attn: Legal Department

One Dell Way

City: Round Rock

State: Texas

Zip: 78682-2244

Additional name(s) & address(es) attached?



Yes



No

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:

A. Patent Application No.(s)

09/384,172 Filed August 27, 1999

B. Patent No.(s)

Additional Number(s) attached?



Yes



No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patrick J. Porter
Internal Address: Baker Botts L.L.P.
Street Address: One Shell Plaza
910 Louisiana

City: Houston

State: Texas Zip: 77002-4995

6. Total number of applications and patents involved: One

7. Total Fee (37 CFR 3.41): \$40.00



Enclosed



Authorized to be charged to deposit account

8. Deposit account number:

No. 02-0383 of Baker Botts L.L.P.

(Attach Duplicate Copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. 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.

Patrick J. Porter

Name of Person Signing

Signature

Date

17 January 2003

Total number of pages including cover sheet

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OMB No. 0651-0011 (exp. 4/94)

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PATENT ASSIGNMENT

WHEREAS, Dell USA, L.P. (hereafter "Assignor"), a Texas Limited Partnership, having an address of One Dell Way, Round Rock, Texas 78682-2244, is the owner of U.S. Patent Application Serial No. 09/384,172 filed on August 27, 1999 by D. Scott Green et al. entitled *Maintaining Signal Guard Bands When Routing Through a Field of Obstacles* and invention described and claimed therein (hereafter the "Patent Property"); and

WHEREAS, Dell Products L.P. (hereafter "Assignee"), a Texas Limited Partnership, having an address of One Dell Way, Round Rock, Texas 78682-2244, desires to acquire all right, title and interest in and to the Patent Property.

NOW THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and set over to Assignee, all its right, title and interest in and to the Patent Property, as well as all provisionals, continuations, divisions, and continuations-in-part of said Patent Property, and all reissues and extensions thereof, the same to be held and enjoyed by Assignee for its own use and benefit, and for the use and benefit of its successors, assigns, or legal representatives, to the end of the term or terms for which such Patent Property may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.

Assignor also assigns to Assignee, all right, title and interest in and to the inventions disclosed in said Patent Property throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said Patent Property in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said Patent Property in appropriate registries; and all rights to sue and recover for damages by reason of past infringement of such Patent Property; and Assignor further agrees to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

Assignor also assigns unto Assignee all claims for damages by reason of infringement prior to the assignment date of the Patent Property throughout the world, with the right to sue for and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns and other legal representatives.

Assignor also will communicate to Assignee any facts known to it respecting any improvements; and, at the expense of Assignee, will testify in any legal proceedings, sign all lawful papers, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible

to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said Patent Property in all countries.

IN WITNESS WHEREOF, the parties have caused this Patent Assignment to be executed on the dates and in the capacities shown below.

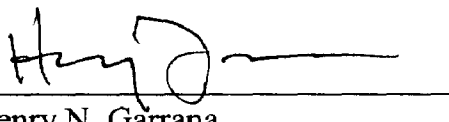
DELL USA, L.P.

By: 
Henry N. Garrana

Its: VP Legal - Intellectual Property and
Deputy General Counsel

Date: 1/16/05

DELL PRODUCTS L.P.

By: 
Henry N. Garrana

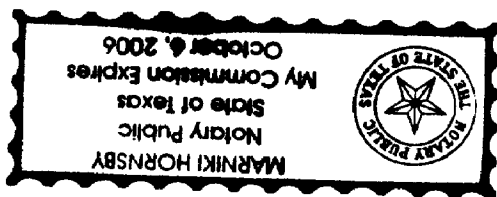
Its: VP Legal - Intellectual Property and
Deputy General Counsel

Date: 1/16/05

STATE OF TEXAS §
 §
COUNTY OF WILLIAMSON §

Before me, the undersigned, a Notary Public on this day personally appeared HENRY N. GARRANA, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said Dell USA, L.P., a Texas Limited Partnership, and that he had executed the same as VP Legal - Intellectual Property and Deputy General Counsel of such partnership for the purpose and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office this 16th day of January, 2003

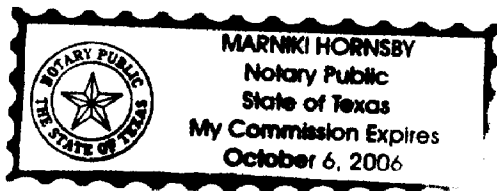


Marniki Hornsby
Notary Public in and for
the State of Texas

STATE OF TEXAS §
 §
COUNTY OF WILLIAMSON §

Before me, the undersigned, a Notary Public on this day personally appeared HENRY N. GARRANA, known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said Dell Products L.P., a Texas Limited Partnership, and that he had executed the same as VP Legal - Intellectual Property and Deputy General Counsel of such partnership for the purpose and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office, this 16th day of January, 2003.



Marniki Hornsby
Notary Public in and for
the State of Texas