

Form **PTO-1595** U.S. DEPARTMENT OF COMMERCE R 102417695 U.S. Patent and Trademark Office (Rev. 10/02) PATENTS ONLY OMB No. 0651-0027 (exp. 6/30/2005) Tab settings ⇔ ⇔ ⇔ ▼ To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy there 2. Name and address of receiving party(ies) Name of conveying party(ies): Albert J. Bolian Name: Dell Products L.P. Scott Ramsey Internal Address: _____ Jinsaku Masuyama Additional name(s) of conveying party(ies) attached? Yes V No 3. Nature of conveyance: ✓ Assignment Merger Street Address: One Dell Way Security Agreement Change of Name Other_____ City: Round Rock State: TX Zip: 78682 Execution Date: 4/1/2003, 4/1/2003, 4/1/2003 Additional name(s) & address(es) attached? Yes V 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:_____ B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? Yes 🗸 No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$\,\u00e40.00 Name: David L. McCombs ✓ Enclosed Internal Address: Haynes and Boone, LLP Authorized to be charged to deposit account /08/-0**4**3 ARDOFO1 00000025 10406114----40.00 DF FC: 011 8. Deposit account number: Street Address: 901 Main Street, Suite 3100 08-1394 City: Dallas State: TX Zip: 75202-3789 DO NOT USE THIS SPACE 9. Signature. James R. Bell Name of Person Signing Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT REEL: 013935 FRAME: 0190

Cust. No. 000027683



PATENT

DOCKET NUMBER: 16356.792 CLIENT REFERENCE NUMBER: DC-03822

CUSTOMER NO.: 000027683

ASSIGNMENT

WHEREAS, WE,

(1) Albert J. Bolian City of Round Rock

State of Texas

(2) Scott Ramsey City of Austin

State of Texas

(3) Jinsaku Masuyama City of Round Rock

State of Texas

have invented certain improvements in a

APPARATUS AND METHOD FOR REFRESHING A TERMINAL DISPLAY IN A MULTIPLE INFORMATION HANDLING SYSTEM ENVIRONMENT

and executed a United States patent application filed herewith.

WHEREAS, DELL PRODUCTS L.P., a Texas limited partnership having a place of business at One Dell Way, Round Rock, TX 78682 (hereinafter called DELL), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefor;

NOW, THEREFORE, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby acknowledge our prior existing obligation and hereby sell, assign, and transfer to DELL, its successors and assigns, the entire right, title, and interest in the application and invention therein disclosed for the United States and foreign countries, to and under the said improvements, and the said application and all divisional, renewals, continuing applications thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to DELL its successors and assigns; and we hereby agree that DELL may apply for foreign Letters Patent on the invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by DELL.

(1)

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4/1/0

Signed By:

Albert J. Bolian

Witnessed By:

Name: Ashley

GORAKH PURWALLA I

 $\frac{-7}{\text{Date}}$

(2)

Signed By:

Scott Ramsey

4-1-2043

Witnessed By:

Name:

Dwip shah

9/1/2003

(3)

Signed By:

Jinsaku Masuyama

__ Date 4-1-2003

Witnessed By:

Name:

RECORDED: 04/07/2003

Shah

Date

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PATENT REEL: 013935 FRAME: 0192