FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

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U.S. Department of Commerce rk Office

08-08-2001



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Name (line 1)	Abdelhakeem A. Hammad 05/18/2001							
Name (line 2)	Execution Date							
Second Party - Name (line 1)	Month Day Year							
Name (line 2)								
Receiving P	arty Mark if additional names of receiving parties attached							
Name (line 1)	Dell Products L.P.							
Name (line 2)	receiving party is not domiciled in the United States, an appointment							
Address (line 1)	One Dell Way of a domestic representative is attached. (Designation must be a							
Address (line 2)	separate document from Assignment.)							
Address (line 3)	Round Rock Texas 78682-2244							
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PATENT

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FORM PTO-1619B Expires 06/30/99 OMB 0651-0027		F	Page 2		U.S. Department of Commerce Patent and Trademark Office PATENT		
Correspondent Name and Address Area Code and Telephone Number 214/651-5533							
Name [David L. McCombs						
Address (line 1)	Haynes and Boone, LLP						
Address (line 2)	901 Main Street, Suite 3100						
Address (line 3)	Dallas, Texas 75202-3789						
Address (line 4)							
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Ente <u>only</u> has r	eration Treaty (PCT) r PCT application number if a U.S. Application Number not been assigned.	PCT PCT		PCT	PC		
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Deposit .	payment by deposit account or if addit Do	sed X ional fees can	Deposit Acc	ount	\$ 40.00 # 08	3-1394	

Indicated herein.

James R. Bell

Name of Person Signing

Signature

Date

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To the best of my knowledge and belief, the foregoing information is true and correct and any

Statement and Signature

DOCKET NUMBER: 16356.609 CLIENT REFERENCE NUMBER: DC-02544

ASSIGNMENT

WHEREAS, I,

(1) Abdelhakeem A. Hammad City of Limerick Country of Ireland

has invented certain improvements in a

APPARATUS FOR PROCESSING ITEMS OF ELECTRONIC EQUIPMENT

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 78682-2244 (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, I, the above named, hereby acknowledge my 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 I 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 I hereby agree that DELL may apply for foreign Letters Patent on the invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by DELL.

Signed By: Dr. A. May Date

Witnessed By: South Corner Date

Date

Date

RECORDED: 08/02/2001

a-0113602.01

PATENT REEL: 012040 FRAME: 0987