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Steve A. JACOB	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20555 SH 249 Houston, TX 77070
Additional name(s) of conveying party(ies) attached Yes X N	lo Additional name(s) & address(es) attached?Yes _X No
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If this document is being filed together with a new ap-	plication, execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
Application No.: 10/651,139 Date Filed:	08/28/2003
Confirmation No.: 8185 Additional num	nbers attached? NO
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Intellectual Property Administrator

Fort Collins, Colorado 80527-2400

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208 396 3958 P.03/03

PATENT APPLICATION

ATTORNEY DOCKET NO. 10018494-1

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do hereby assign and transfer to HPDC, its successors

the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assigned of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent for said invention(s) or improvement(s) including any and all letters Patent for said invention(s) or improve	Color Rendering	
continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or its nominee, all known facts respecting said invention(s) or improvement(s), said applications, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be inourred by me/us in lending such cooperation and assistance are paid by HPDC; AND I/we hereby authorize and request the Commissioner of Pate	Filing date: <u>08/28/2003</u>	Application No.: 10/651, 139
country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of th	continuations-in-part (C-I-P's), divisionals, and Letters Patent, and any and all Letters Patent of may be granted thereon or therefor; and any in	renewals of and substitutes for said application for said f the United States and of countries foreign thereto which
that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment. I/we further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the said application now identified by the attorney docket number and title set forth above as so	country, to be held and enjoyed by HPDC, its s the full end of the term or terms for which said extended, as fully and entirely as the same	cuccessors, assigns, nominees or legal representatives, to d Letters Patent respectively may be granted, reissued or
States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment. I/we further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office. IN VITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Date Assignment Signed: Date Application Signed: Date Application Signed: Date Application Signed:	that I/we have not executed and will not exec- covenant and agree that I/we will, each time a deliver all such papers as may be necessary improvement(s), said application and said Letter legal representatives, and I/we agree to com- respecting said invention(s) or improvement(s), legal proceedings, to sign all lawful papers, to C-I-P's, reissue and foreign applications, to mall everything possible to aid HPDC, its successor and enforce, for its or their own benefit, proper in any and all countries provided the expens	ute any agreement in conflict herewith, and I/we further request is made, and without undue delay, execute and or desirable to perfect the title to said invention(s) or rs Patent, to HPDC, its successors, assigns, nominees or municate to HPDC, or to its nominee, all known facts said application and said Letters Patent, to testify in any o execute all disclaimers and divisionals, continuations, ke all rightful oaths and declarations, and generally to do s, assigns, nominees and legal representatives to obtain patent protection for said invention(s) or improvement(s)
said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office. WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Date Assignment Signed: 8-25-03	States and any official of any country or countr patents on applications as aforesaid, to issue to any and all Letters Patent for said invention(s) o the United States which may be issued and g	ries foreign to the United States whose duty it is to issue of HPDC, as assignee of the entire right, title and interest, or improvement(s), including any and all Letters Patent of
Date Assignment Signed: 8-25-03 Expension's Typed Name: Steve A Jacob Date Application Signed: 8-25-03	said application now identified by the attorney.	docket number and title set forth above as soon as the
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