Petent and Trademerk Office  Investigation of conveying partyles):  Peter R. Robrish Andreas Weber  1. Name of conveying partyles):  Peter R. Robrish Andreas Weber  1. Name of conveying partyles):  Peter R. Robrish Andreas Weber  1. Name of conveying partyles):  Peter R. Robrish Andreas Weber  1. Name of Conveying partyles):  Peter R. Robrish Andreas Weber  1. Name of Conveying partyles attached 1. Name of Conveying partyles 1. Name of Conveying partyles attached 1. Name of Conveying partyles 1. Name of Conveying partyles 1. Name of Conveying partyles 1. Name of Parson Signing 1. Not detach this portion 1. Name of Parson Signing 1. Name of Parson	FORM PTO-1595	02-	11-1999	U.S. DEPARTMENT OF COMMERCE
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1. Name and address of party to whom correspondence concerning document should be mailed:  Records Manager HeWLETT-PACKARD COMPANY 1501 Page Mill Road M/S 4U-10 Palo Alto, CA 94304-1126  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.  Linda A. limura Name of Person Signing  Mail document to be recorded with required cover sheet, attachments, and Trademarks Box Assignment  Total number of pages including cover sheet, attachments, and Trademarks Box Assignment  Total number of pages including cover sheet, attachments, and Trademarks Box Assignment  Mail document to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks Box Assignment Washington, D. C. 20231		**************************************	ng63756	orney Docket No. 10980673-1
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Additional name(s) of conveyance:  X Assignment Merger Change of Name  Security Agreement Other  Execution Date(s): October 29, 1998  4. Application number(s) or patent number(s):  If this document is being filed together with a new application, execution date of the application is:  A. Patent Application No.(s)				
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M/S 4U-10 Palo Alto, CA 94304-1126  B. Deposit Account Number: 08-2025  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.  Linda A. limura Name of Person Signing  Total number of pages including cover sheet, attachments, and occument: 3  OMB No. 0651-0011 (exp. 4/94)  Do Not detach this portion  Mail document to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks Box Assignment Washington, D.C. 20231			Enclosed	
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## PATENT APPLICATION

ATTORNEY DOCKET NO. 10980673

## **ASSIGNMENT OF PATENT APPLICATION**

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my/our obligations to HP, and do hereby assign and transfer to HP, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under

an application for Letters Patent of the United States entitled:
REFLECTIVE FERROELECTRIC LIQUID LIGHT VALVE WITH INCREASED LIGHT THROUGHPUT  CRYSTAL PR
Filing date: October 29, 1998 Serial No.: 09/183,554
and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-l-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 HP to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HP, 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 HP, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP, 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 HP, 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 HP;
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 HP, 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 HP attorneys 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.
Date Assignment Signed: 10/25/98
Iñventor's Signature (Seal)
Inventor's Typed Name: Peter R. Robrish Date Application Signed: 10/29/98
State of California ) ) ss.:
County of Santa Clara )
Before me this 27 day of 1998 personally appeared Peter R. Robrish who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.
UNDA A. IIMURA Commission #1072458 Notary Public — California Notary Public — California My commission expires: 10/27/99

My Comm. Expires Oct 27,1999

(Use Page Two For Additional Inventor(s) Signature(s))

Page 1 of 2

**PATENT** 

**REEL: 9747 FRAME: 0583** 

When recorded please return to:
HEWLETT-PACKARD COMPANY
Legal Department, 20BN
P. O. Box 10301
Palo Alto, California 94303-0890

## PATENT APPLICATION

ATTORNEY DOCKET NO. 10980673

## **ASSIGNMENT OF PATENT APPLICATION (cont.)**

IN WITNESS WHEREOF, I w		
Inventor's Signature (Seal)	Date Assignment Signed:	
Inventor's Typed Name: Andreas V	Weber Date Application Si	gned: /0/29/98
State of California	)	
County of Santa Clara	} ss.: }	
Before me this 29th day of	October 1998, personally appeared Andreas	Weber who is
instrument of assignment to be his,	ne on the basis of satisfactory evidence to be the per/her free act and deed.	erson who acknowledged the foregoing
1		of d. Oll war
<u>"</u>	UNDA A. IMURA	Notary Public
NAMA (	Commission #1072458 Notary Public — California Santa Clara County My Comm. Expires Oct 27,1999	My commission expires: 10/27/99
Inventor's Signature (Seal)	Date Assignment Signed:	
•	<b>-</b>	<b>d</b>
Inventor's Typed Name:	Date Application Sig	gned:
Inventor's Typed Name:	)	gnea:
	) ss.:	gnea:
State of County of	) ss.: )	
State of  County of  Before me this day of personally known or proved to m	) ss.: ), personally appeared ne on the basis of satisfactory evidence to be the pe	
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State of  County of  Before me this day of personally known or proved to m instrument of assignment to be his/  Inventor's Signature (Seal)  Inventor's Typed Name:  State of  County of  Before me this day of	) ss.: ) personally appeared	who is rson who acknowledged the foregoing . Notary Public My commission expires:
State of  County of  Before me this day of personally known or proved to m instrument of assignment to be his/  Inventor's Signature (Seal)  Inventor's Typed Name:  State of  County of  Before me this day of personally known or proved to m	) ss.: ) personally appeared	who is rson who acknowledged the foregoing . Notary Public My commission expires:

(Use Page Three For Additional Inventor(s) Signature(s))

Page 2 of 2

RECORDED: 02/08/1999

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