

**HEWLETT-PACKARD COMPANY**  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400

ATTORNEY DOCKET NO. 100203302-1

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Asheladia  
Inventor's Signature (Seal)

Date Assignment Signed: \_\_\_\_\_

8 | 4 | 2003

Inventor's Typed Name: **Manish Sheladia**

Date Application Signed: 7/31/2002

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Manish Sheladia 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.

Notary Public

My commission expires:

~~Inventor's Signature (Seal)~~

**Date Assignment Signed:**

03 - oct - 2002

Inventor's Typed Name: Denis Flaven

Date Application Signed: 7/31/2002

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss. \_\_\_\_\_

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Denis Flaven 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.

**Notary Public**

**My commission expires:**

Inventor's Signature (Seal)

Date Assignment Signed:

Inventor's Typed Name: **Rogue Scheer**

Date Application Signed: 9/29/2002

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss.: \_\_\_\_\_

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Rogue Scheer 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.

**Notary Public**

My commission expires: \_\_\_\_\_

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

Page 2 of 2

Rev 05-03 (Assign)

**PATENT**  
**REEL: 015344 FRAME: 0630**



HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400

ATTORNEY DOCKET NO. 100203302-1

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature (Seal) \_\_\_\_\_ Date Assignment Signed: \_\_\_\_\_

Inventor's Typed Name: **Manish Sheladia** Date Application Signed:

State of \_\_\_\_\_ )  
 ) ss.:  
County of \_\_\_\_\_ )

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Manish Sheladia 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.

**Notary Public**  
**My commission expires:**

Inventor's Signature (Seal) \_\_\_\_\_ Date Assignment Signed: \_\_\_\_\_

Inventor's Typed Name: **Denis Flaven** Date Application Signed: \_\_\_\_\_

State of \_\_\_\_\_ )  
 ) ss.:  
County of \_\_\_\_\_ )

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Denis Flaven 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.

**Notary Public**  
**My commission expires:**

Inventor's Signature (Seal) \_\_\_\_\_ Date Assignment Signed: 1/1/2001

Inventor's Typed Name: Roque Scheer Date Application Signed: Sept. 29, 2002

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_ day of \_\_\_\_\_, personally appeared Rogue Scher 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.

Notary Public  
My commission expires:

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

Page 2 of 2

Rev 05/03 (Assign)

## PATENT

**RECORDED: 10/14/2003**

REEL: 015344 FRAME: 0631



ASSIGNMENT RECORDATION COVER SHEET  
-PATENTS ONLY-

Commissioner of Patents:

Please record the attached document.

1. Name of conveying party:  
a) John Thomas  
b)  
c)
2. Name and address of receiving party:  
a) Name: Genesis Microchip Inc.  
Address: 2150 Gold Street, Alviso, CA 95002

3. Nature of conveyance:  

☒ Assignment  
☐ Security Agreement  
☐ Other

☐ Merger  
☐ Change of Name  
☐ License Agreement

Execution Date: November 1, 2004

4. Application Number or Patent Number: 60/611,042

The title of the application is:  
ADC CALIBRATION TO ACCOMMODATE TEMPERATURE VARIATION USING VERTICAL  
BLANKING INTERRUPTS

5. Please send all correspondence concerning this document to:


Beyer Weaver & Thomas, LLP  
P.O. Box 778  
Berkeley, CA 94704-0778

Ph: (650) 961-8300  
Fax: (650) 961-8301  
Customer Number: 022434

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41): \$40.00

- ☐ Enclosed.
- ☒ Charge to Deposit Account No. 500388 (Order No. GENSP046P).
- ☐ Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. \_\_\_\_\_).

Date: November 5, 2004



Alan S. Hodes  
Registration No. 38,185

Total number of pages including this cover sheet, attachments and documents: 2

CH \$40.00 500388 60611042



# **ASSIGNMENT OF PATENT APPLICATION**

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

## **ADC CALIBRATION TO ACCOMMODATE TEMPERATURE VARIATION USING VERTICAL BLANKING INTERRUPTS**

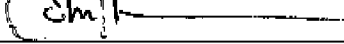
(Atty. Docket No. GENSP064P1), (check one)

- ☐ for which I have executed a U.S. patent application on even date herewith. (Accompanying)  
☐ which bears U.S. application No. \_\_\_\_\_. (Not accompanying)  
☒ which is a U.S. provisional application no. 60/611,042.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to Genesis Microchip Inc., a Delaware corporation having a place of business at 2150 Gold Street, Alviso, CA 95002 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

1) Signature:   
 Typed Name: John Thomas

Date: 1st Nov 04



05-21-2004



102750135

 FORM PTO-1595  
 (Rev. 6-93)

 U.S. DEPARTMENT OF COMMERCE  
 Patent and Trademark Office

 RECORDATION FORM COVER SHEET  
 PATENTS ONLY

Attorney Docket No.: 053785-5183

To the Commissioner for Patents

ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

5-17-04

 Young-Sang BYUN  
 Joung-Won CHOI  
 Hong-Seok LEE

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: LG.PHILIPS LCD CO., LTD.

 Internal Address: 20, Yoido-dong, Youngdungpo-gu  
 Seoul, Korea

Street Address:

City:

State:

Zip:

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

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: April 30, 20044. New Application number(s) or patent number(s): **NEW APPLICATION**

If this document is being filed together with a new application the execution date of the application is:

April 30, 2004

A. Patent Application No.(s)

B. Patent No.(s)

10846654

Additional numbers attached: ☐ Yes ☒ No

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

Name: Robert J. Gaybrick

 Internal Address: Morgan, Lewis & Bockius LLP  
 Customer No. 09629

 Street Address: 1111 Pennsylvania Ave., N.W.  
 City: Washington State: D.C. Zip: 20004

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00☐ Enclosed☒ Authorized to be charged to Deposit Account 50-0310

8. Deposit Account No. 50-0310

(Attach duplicate page if paying by deposit account)

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.

Robert J. Goodell, Reg. No. 41,040

Name of Person Signing

Signature

May 17, 2004

Date

Total number of pages including cover sheet, attachments and documents: 3

 22387 U.S. PTO  
 10/846654

051704

05/20/2004 GTON11 00000001 500310 10846654

01 FC:8021

40.00 DA



**ASSIGNMENT**

WHEREAS we, the below named inventors, [hereinafter referred to as Assignor(s)], have made an invention entitled:

**APPARATUS FOR FORMING ALIGNMENT LAYER AND  
AUTO-CALIBRATION METHOD THEREOF**

for which we executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on \_\_\_\_\_, (Serial No. \_\_\_\_\_); and

WHEREAS, LG.PHILIPS LCD CO. LTD, a corporation of Republic of Korea, whose post office address is 20 Yoido-dong, Youngdungpo-gu, Seoul, Korea, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

May 17, 2004

IN TESTIMONY WHEREOF, WE have hereunto set our hand(s).

Full Name of First Assignor Young-Sang BYUN	Assignor's Signature <i>Young Sang Byun</i>	Date 04/30/2004
Address 105-1302, Daeu APT., Jinpyeong-dong, Gyeongsangbuk-do, Gumi-si, 730-360, Republic of Korea		Citizenship Republic of Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		



ATTORNEY DOCKET NO.: 053785-5183  
SOLE/JOINT INVENTION  
(U.S. Rights Only)  
Page 2 of 2

Full Name of Second Assignor Joung-Won CHOI	Assignor's Signature <i>Joung-Won Choi</i>	Date 04/29/2004
Address 102-609, Hyeondae APT., Yeonsan8-dong, Yeonje-gu, Busan, 611-088, Republic of Korea		Citizenship Republic of Korea
Full Name of Third Assignor Hong-Seok LEE	Assignor's Signature <i>LEE HONG SEOK</i>	Date 04/29/2004
Address 307-302, Buyeong APT., 453, Gupyeong-dong, Gumi-si, Gyeongsangbuk-do, 730-300, Republic of Korea		Citizenship Republic of Korea
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

1-WA/2171620.1



05-21-2004

Form PTO-1595

RE



SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

OMB No. 6514-0011(exp-4/94)

102750132

SN-US045095

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

1. Name of conveying party(ies):  
(1) Masakazu IWABUCHI

5-17-04

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Shimano Inc.  
Internal Address:

Street Address: 3-77 Oimatsu-cho

City: Sakai  
Country: JAPANPrefecture: Osaka  
ZIP: 590-8577Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: (1) 05/13/04

4. Application number(s) or patent number(s):

29205473

If this document is being filed together with a new application, the execution date of the application is: (1) 05/13/04

A. Patent Application No.(s)

B. Patent No.(s)

Additional Application numbers attached? ☐ Yes ☒ No

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

Name:  
Shinju Global IP Counselors, LLP  
Internal Address:Street Address: 1233 Twentieth Street, NW  
Suite 700  
City: Washington State: D.C. ZIP: 20036

6. Total number of applications and patents involved: 1

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

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

(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.

Kiyoe K. Kabashima  
Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document:

2

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

Commissioner of Patents &amp; Trademarks, Box Assignments

Washington, D.C. 20231

G:\05-MAY04-MT\SN-US045095 Assignment Cover.doc

05/18/2004 JBALINAN 00000110 29205473

PATENT  
REEL: 015344 FRAME: 0637



SN-US045095

**ASSIGNMENT**

[Executed in Japan]

WHEREAS, Masakazu IWABUCHI, a citizen of Japan residing at 24-21, Fujisawadai 6 cho-me, Tondabayashi-shi, Osaka 584-0071, Japan

hereinafter referred to as the Assignor(s), have invented certain new and useful improvements in

REEL UNIT GUARD OF SPINNING REEL

for which the Assignor(s) have executed an Application for United States Letters Patent on even date herewith, AND WHEREAS, SHIMANO INC. having its principal place of business at 3-77 Oimatsu-cho, Sakai, Osaka 590-8577, Japan

(hereinafter referred to as the Assignee), is desirous of acquiring the entire right, title, and interest in and to said invention and said Application and in and to any Letters Patent or Patents, United States or foreign as indicated below, to be obtained therefor and thereon:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is herewith acknowledged, the Assignor(s) sell, assign, and transfer, unto the Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and in all foreign countries including, but not limited to, the following countries,

All Contracting States of the EP and Korea

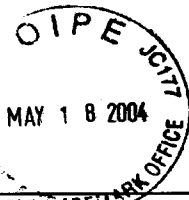
in, to and under said improvements, and said Application, and all original, divisional, renewal, continuation, substitute, or reissue applications thereof, including the right to sue and recover for any past infringement, and all rights of priority from the filing of said Application; and the Assignor(s) hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patent on said improvements or resulting therefrom to said Assignee herein, as assignee of the entire interest therein, for the sole use and behalf of said Assignee, its successors, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted. Further, the Assignor(s) and their legal representatives, heirs, and assigns do hereby agree and covenant without further remuneration that they will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to them respecting said improvements whenever requested, and will testify in any interferences or other legal proceeding in which any of said applications or Letters Patent may become involved, sign all lawful papers, execute and deliver all divisional, continuing, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said Assignee or its legal representatives, successors, or assigns, make all rightful oaths and generally do everything necessary to assist said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the U.S. and said countries, the expenses incident to said applications to be borne and paid by said assignee.

IN TESTIMONY WHEREOF, the undersigned Assignor(s) have affixed their signatures.

This 13 day of May, 2004 Signature MASAKAZU IWABUCHI

G:\05-MAY04-MT\SN-US045095 Assignment.doc





05-21-2004



Form PTO-1595  
(Rev. 03/01)  
OMB No. 0651-0027 (exp. 5/31/2002)

REC-1

102750824  
PATENTS UNL

U.S. DEPARTMENT OF COMMERCE  
U.S. 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):

Hideki Tominaga (02/10/2004), Hideki Soya  
(02/10/2004), Yasushi Kondo (02/10/2004), and  
Takeharu Etoh (02/26/2004)

Additional name(s) of conveying party(ies)  
attached?☐ Yes ☒ No

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: see Box 1, conveying parties

## 2. Name and address of receiving party(ies)

Name: SHIMADZU CORPORATION

Internal Address:

Street Address:

1, Kuwabara-cho, Nishinokyo  
Nakagyo-ku, Kyoto-shi

Pref.: Kyoto-fu

Country: JAPAN

Zip: 604-8511

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 new application is:

A. Patent Application No.(s):

10/782,944

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: David T. Nikaido  
RADER, FISHMAN & GRAUER PLLC

Internal Address: Atty. Dkt.: SUT-0234

Street Address:  
1233 20th Street, N.W.  
Suite 501

City:  
Washington

State: DC Zip:  
20036

6. Total number of applications and  
patents involved:

1

## 7. Total fee (37 CFR 3.41)

\$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account☐ Authorized to be charged to credit card  
(Form 2038 enclosed)

## 8. Deposit account number:

18-0013

(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.

Carl Schaukowitz, Reg. No. 29,211  
Name of Person Signing

Signature

May 18, 2004  
Date

Total number of pages including cover sheet, attachments, and documents: 3

05/21/2004 LNUELLER 00000122 180013 10782944

01 FC:6021

40.00 BA

PATENT  
REEL: 015344 FRAME: 0639



**RECORDATION FORM COVER SHEET  
(continued)****Additional Conveying Party(ies) (1. Continued):****Additional Assignees (2. Continued):**Assignee Name: Takeharu Etoh

Internal Address:

Street Address: 7-21-2 Aomatani-Higashi,  
Minoo-shiPref.: Osaka-fu Country: JAPAN Zip Code: 562-0022

Assignee Name: \_\_\_\_\_

Internal Address:

Street Address:

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Assignee Name: \_\_\_\_\_

Internal Address:

Street Address:

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**Additional Applications and/or Patents (4. Continued):**Additional Patent Application Numbers  
4A. Continued:Additional Patent Numbers  
4B. Continued:

Additional numbers attached?

☐

Yes

☐

No



**U.S. ASSIGNMENT**

IN CONSIDERATION of the sum of One Dollar (\$1.00)), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

- [Insert  
ASSIGNEE's  
Name(s)  
• Address(es)]

(1) SHIMADZU CORPORATION whose address is 1, Kuwabara-cho, Nishinokyo, Nakagyo-ku,  
Kyoto-shi, Kyoto-fu, 604-8511 Japan  
(2) Takeharu ETOH whose address is 7-21-2 Aomatani-Higashi, Minoo-shi, Osaka-fu, 562-0022 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

PHOTOGRAPHIC APPARATUS AND SYNCHRONOUS PHOTOGRAPHY TIMING CONTROLLER

[Title of  
Invention]

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

- [\*If the assignment  
is being filed  
after the filing of the  
application, this  
section must be  
completed]

\*filed on \_\_\_\_\_, Serial No. \_\_\_\_\_

(Rader, Fishman & Grauer, PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing' divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)  
of Assignor(s)]

<u>Hideki Tominaga</u> (SIGNATURE)	<u>Hideki TOMINAGA</u> (TYPE NAME)	<u>10/2/2004</u> (DATE)
<u>Hideki Soya</u> (SIGNATURE)	<u>Hideki SOYA</u> (TYPE NAME)	<u>10/2/2004</u> (DATE)
<u>Yasushi Kondo</u> (SIGNATURE)	<u>Yasushi KONDO</u> (TYPE NAME)	<u>10/2/2004</u> (DATE)
<u>Takeharu Etoh</u> (SIGNATURE)	<u>Takeharu ETOH</u> (TYPE NAME)	<u>26/2/2004</u> (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)



05-24-2004

**RECORDATION FORM COVER SHEET  
PATENT APPLICATIONS & PATENTS**

102751088

22386 U.S. ATO  
10/846638  
051704

TO THE HONORABLE COMMISSIONER OF F

SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)):

1. WEBSTER, John Richard  
2. JONES, Alan Richard  
3.

5.17.04

4.  
5.  
6.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES☒ NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: Rolls-Royce plc  
65 Buckingham Gate  
London SW1E 6AT  
England

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation -- multiple copies of same Assignment signed by different inventors is one document)☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: 4/5/04 &amp; 4/19/04

10846638

4. EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (**NOTE:** IF DATES  $\uparrow\downarrow$  DIFFER SEE ATTY!):4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1ST INVENTOR if not in item 1	B. PATENT NO(S)	M#	1ST INVENTOR if not in item 1
	84755				

## 5. Name &amp; Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Manelli, Denison & Selter PLLC  
SEVENTH FLR.  
2000 M STREET N.W.  
WASHINGTON, D.C. 20036  
Att: Warren Taltavull

## 6. NUMBER INVOLVED:

APPLNS 1 + PATS:    = TOTAL 1

## 7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL X \$40 = \$ 40

## 5.5 ATTY DKT

84755

wwt

## 8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 50-0687

UNDER ORDER NO

84755

MATTER NO.

CLIENT REF.

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## 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.

Signature

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2

Attorney: **W. Warren Taltavull**Reg. No. **25647**

Atty/Sec:

TEL: (202) 261-1047

Date: **May 17, 2004**

Fax: (202) 887-0336

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Client Ref.

Manelli, Denison & Selter PLLC  
2000 M Street N.W., 7th Floor  
Washington, D.C. 20036**NONPROVISIONAL****ASSIGNMENT  
OF NONPROVISIONAL APPLICATION****NONPROVISIONAL**

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to the undersigned, to wit:

INSERT  
NAME(S) OF  
INVENTOR(S)

(1) John Richard Webster	(4)
(2) Alan Richard Jones	(5)
(3)	[ ] X box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT  
NAME(S) OF  
ASSIGNEE(S)  
& ADDRESS(ES)

Rolls-Royce plc, a British Company of  
65 Buckingham Gate  
London  
SW1E 6AT  
England

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF  
INVENTION**ENGINE NOZZLE**

For which the undersigned executed an application for Letters Patent of the United States of America:

**NOTE**(A) ☒ even date herewith

(COMPLETE)

(B) [ ] on \_\_\_\_\_

LINES A,B, AND/OR C)

(C) [ ] in U.S. Application No. \_\_\_\_\_ / \_\_\_\_\_ filed \_\_\_\_\_

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE.

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

**NOTE → →** The undersigned hereby authorize(s) Manelli, Denison & Selter PLLC, of the above address to insert hereon any further identification necessary or desirable for recordation of this document.**INVENTOR(S)****DATE SIGNED****WITNESSES**1) John R. Webster  
Name: John Richard Webster5/4/04[Signature]2) Alan R. Jones  
Name: Alan Richard Jones19/4/04[Signature]3) \_\_\_\_\_  
Name: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4) \_\_\_\_\_  
Name: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5) \_\_\_\_\_  
Name: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

IF ADDITIONAL INVENTORS, check box [ ] and continue on page 2.



05-24-2004



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No. 60019452-2

1. Name of conveying party(ies):

HEWLETT-PACKARD ESPANOLA, S.L.

S. 19.04



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Name and address of receiving party(ies):

HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.  
20555 SH 249  
Houston, TX 77070Additional name(s) of conveying party(ies) attached ☐ Yes ☒ NoAdditional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☐ Assignment☐ Merger☐ Change of Name☐ Security Agreement☒ Other

Company to Company

Execution Date(s): March 23, 2004

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)

B. Patent No.(s)

Application No.: 10/437,993

Date Filed: May 15, 2003

Confirmation No.: 3988

Additional numbers attached? **NO**

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

Records Manager  
Intellectual Property Administration  
HEWLETT-PACKARD COMPANY  
P.O. Box 272400  
Fort Collins, Colorado 80527-24006. Total number of applications and patents involved: 1

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

☐ Enclosed☒ Authorization to be charged to deposit account.8. 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.*

05/21/2004 LHMELLER 00000121 082025 10437993

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William T. Ellis

Name of Person Signing

Signature

May 19, 2004

Date

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# ASSIGNMENT

WHEREAS, Roberto GUILLEN, Francisco Javier POZUELO and Joan Matias GUERRA are inventors of an invention subject to United States Patent Application Serial No. 10/437,993 filed May, 15<sup>th</sup> 2003 and entitled "PRINTING APPARATUS AND METHOD"

WHEREAS, the said Roberto GUILLEN, Francisco Javier POZUELO and Joan Matias GUERRA were at the material time, employees of HEWLETT-PACKARD ESPAÑOLA, S.L. (a Spanish Company).

WHEREAS, HEWLETT-PACKARD ESPAÑOLA, S.L. is by operation of Article 15, Subsection 1 of the Spanish Patent Act of 1986 relating to employee inventions, owner of all rights, title and interests in said invention arising out of the participation of its said employee in the creation of said invention.

NOW, THEREFORE, in accordance with an Agreement between HEWLETT-PACKARD ESPAÑOLA, S.L. and Hewlett-Packard Company (A Delaware corporation having its principal place of business in Palo Alto, California), and a further agreement between Hewlett-Packard Company and Hewlett-Packard Development Company, L.P. (a Texas limited partnership having its principal place of business in Houston, Texas, USA), the latter agreement also including the transfer to Hewlett-Packard Development Company, L.P. of the right to claim convention priority from applications filed in the name of Hewlett-Packard Company in respect of the invention, HEWLETT-PACKARD ESPAÑOLA, S.L. at the direction of Hewlett-Packard Company, hereby perfects the assignment to Hewlett-Packard Development Company, L.P., its successors and assigns, of (a) the right to file and prosecute an application for Letters Patent for the above identified invention in each country worldwide, including, in particular, the Letters Patent for United States Patent Application:

Serial No.: 10/437,993  
filed: May, 15<sup>th</sup> 2003  
entitled: PRINTING APPARATUS AND METHOD

and executed by the below named inventors on the indicated dates

executed by	Roberto GUILLEN	on	26 <sup>th</sup> August 2003
executed by	Francisco Javier POZUELO	on	26 <sup>th</sup> August 2003
executed by	Joan Matias GUERRA	on	4 <sup>th</sup> August 2003

and (b) the right to claim any and all priority rights, especially from the first-filed patent or utility model applications, relative to the above-identified invention, as well as (c) the right to obtain Letters Patents in each country and the right, title and interest in such Letters Patents as consistent with the Agreement between HEWLETT-PACKARD ESPAÑOLA, S.L. and Hewlett-Packard Company, and Hewlett-Packard Company and Hewlett-Packard Development Company, L.P.

IN WITNESS WHEREOF, this Assignment is executed by a duly authorized representative of HEWLETT-PACKARD ESPAÑOLA, S.L.

HEWLETT-PACKARD ESPAÑOLA, S.L.

By:   
Mercè BARCONS VILLARDELL

Title: Controller  
Date: 23<sup>rd</sup> march 2004