

01-03-2001

FORM PTO-1619A  
Expires 08/30/99  
OMB 0651-0027



101570025

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

17 U.S. PTO  
09/697116  
10/27/00

10-27-00

### RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

#### Submission Type

New

Resubmission (Non-Recordation)  
Document ID#

Correction of PTO Error  
Reel #  Frame #

Corrective Document  
Reel #  Frame #

#### Conveyance Type

Assignment  Security Agreement

License  Change of Name

Merger  Other  09/697116

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

#### Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1)  CHUAN FANG LIU  Execution Date Month Day Year  10/20/2000

Name (line 2)

#### Second Party

Name (line 1)

Name (line 2)

Execution Date Month Day Year

#### Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)  CHUAN FANG LIU  If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)  No. 10-40, Chang Ping N. Rd., Tou Liu City

Address (line 2)

Address (line 3)  Yunlin Hsiang  Taiwan, R.O.C.  Zip Code

#### Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

10/31/2000 EFDRES 00000001 09697116

02 FC:581

40.00 OP

Correspondent Name and Address Area Code and Telephone Number 410-465-6678

Name Morton J. Rosenberg

Address (line 1) Rosenberg, Klein & Lee

Address (line 2) 3444 Ellicott Center Drive, Suite 105

Address (line 3) Ellicott City, MD 21043

Address (line 4)

Pages - Enter the total number of pages of the attached conveyance document including any attachments. # 7

Application Number(s) or Patent Number(s)  Mark if additional numbers attached  
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year 10/20/2000

Patent Cooperation Treaty (PCT)  
Enter PCT application number only if a U.S. Application Number has not been assigned.  
PCT:  PCT:  PCT:   
PCT:  PCT:  PCT:

Number of Properties Enter the total number of properties involved. # 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment: Enclosed  Deposit Account   
Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)  
Deposit Account Number: # 18-2011  
Authorization to charge additional fees: Yes  No

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. Charges to deposit account are authorized, as indicated herein.  
Morton J. Rosenberg 10/26/2000  
Name of Person Signing Signature Date

# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

## Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)	
Name (line 2)	
Name (line 1)	
Name (line 2)	
Name (line 1)	
Name (line 2)	

Execution Date  
Month Day Year

Execution Date  
Month Day Year

Execution Date  
Month Day Year

15917 PTO  
09/6/99  
10727/06

## Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)	GUILAN WU	
Name (line 2)		
Address (line 1)	No. 10-40, Chang Ping N. Rd., Tou Liu City	
Address (line 2)		
Address (line 3)	Yunlin Hsiang City	Taiwan, R.O.C. State/Country
Address (line 3)	Zip Code	
Name (line 1)	MEICHUAN WANG	
Name (line 2)		
Address (line 1)	No. 10-40, Chang Ping N. Rd., Tou Liu City	
Address (line 2)		
Address (line 3)	Yunlin Hsiang City	Taiwan, R.O.C. State/Country
Address (line 3)	Zip Code	

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)   
City

State/Country

Zip Code

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)   
City

State/Country

Zip Code

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Patent Number(s)

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ASSIGNMENT DEED

This Assignment agreement is applicable to an invention entitled (invention Title) A METHOD FOR DISPLAYING REASONS OF COMPUTER HARDWARE FAULTS BY LIGHT EMITTING DIODES

The PATENT RIGHTS referred to in this agreement are:

- (Check one)  a Patent Application for this invention, executed by the ASSIGNOR(s) concurrently with this Assignment
- U.S. Patent Application Serial No. \_\_\_\_\_, filed \_\_\_\_\_
- U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

The PATENT RIGHTS assigned under this agreement are:

- (Check One)  U.S. Patent rights only
- worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

The ASSIGNOR(S) referred to in this agreement is (or are):

(Full name of sole or first inventor) CHUAN FANG LIU (FAMILY NAME: LIU)  
 (Address) NO.10-40, CHANG PING N. RD., TOU LIU CITY, YUNLIN HSIANG, TAIWAN, R.O.C.

(Full name of second joint inventor, if any) \_\_\_\_\_  
 (Address) \_\_\_\_\_

(Full name of third joint inventor, if any) \_\_\_\_\_  
 (Address) \_\_\_\_\_

(Full name of fourth joint inventor, if any) \_\_\_\_\_  
 (Address) \_\_\_\_\_

(Full name of fifth joint inventor, if any) \_\_\_\_\_  
 (Address) \_\_\_\_\_

(Full name of sixth joint inventor, if any) \_\_\_\_\_  
 (Address) \_\_\_\_\_

(Full name of seventh joint inventor, if any) \_\_\_\_\_  
 (Address) \_\_\_\_\_

(Full name of eighth joint inventor, if any) \_\_\_\_\_  
 (Address) \_\_\_\_\_

The First ASSIGNEE referred to in this agreement is:

(Name of Assignee) CHUAN FANG LIU (FAMILY NAME: LIU)  
 (Address of Assignee) NO.10-40, CHANG PING N. RD., TOU LIU CITY, YUNLIN HSIANG, TAIWAN, R.O.C.

The Second ASSIGNEE referred to in this agreement is:

(Name of Assignee) GUILAN WU (FAMILY NAME: WU)  
 (Address of Assignee) NO.10-40, CHANG PING N. RD., TOU LIU CITY, YUNLIN HSIANG, TAIWAN, R.O.C.

The Third ASSIGNEE referred to in this agreement is:

(Name of Assignee) MEICHUAN WANG (FAMILY NAME: WANG)  
 (Address of Assignee) NO.10-40, CHANG PING N. RD., TOU LIU CITY, YUNLIN HSIANG, TAIWAN, R.O.C.

The Fourth ASSIGNEE referred to in this agreement is:

(Name of Assignee) XIUJUN LIU (FAMILY NAME: LIU)  
 (Address of Assignee) NO.62, YUNG HSING RD., TOU LIU CITY, YUNLIN HSIANG, TAIWAN, R.O.C.

The Fifth ASSIGNEE referred to in this agreement is:

(Name of Assignee) \_\_\_\_\_  
 (Address of Assignee) \_\_\_\_\_

The Sixth ASSIGNEE referred to in this agreement is:  
(Name of Assignee) \_\_\_\_\_  
(Address of Assignee) \_\_\_\_\_

The Seventh ASSIGNEE referred to in this agreement is:  
(Name of Assignee) \_\_\_\_\_  
(Address of Assignee) \_\_\_\_\_

The Eighth ASSIGNEE referred to in this agreement is:  
(Name of Assignee) \_\_\_\_\_  
(Address of Assignee) \_\_\_\_\_

The First ASSIGNEE IS:  
(Check One)  an individual  
 a partnership  
 a Corporation of \_\_\_\_\_  
(State or Country)

The Second ASSIGNEE is:  
(Check One)  an individual  
 a partnership  
 a Corporation of \_\_\_\_\_  
(State or Country)

The Third Assignee is:  
(Check One)  an individual  
 a partnership  
 a Corporation of \_\_\_\_\_  
(State or Country)

The Fourth Assignee is:  
(Check One)  an individual  
 a partnership  
 a Corporation of \_\_\_\_\_  
(State or Country)

The Fifth Assignee is:  
(Check One)  an individual  
 a partnership  
 a Corporation of \_\_\_\_\_  
(State or Country)

The Sixth Assignee is:  
(Check One)  an individual  
 a partnership  
 a Corporation of \_\_\_\_\_  
(State or Country)

The Seventh Assignee is:  
(Check One)  an individual  
 a partnership  
 a Corporation of \_\_\_\_\_  
(State or Country)

The Eighth Assignee is:  
(Check One)  an individual  
 a partnership  
 a Corporation of \_\_\_\_\_  
(State or Country)

The ASSIGNOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:

the full and exclusive right to the invention;

an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS; and

the right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and requests the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.

Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the ASSIGNOR(s) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(s), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their successors and assigns, to obtain and enforced proper protection for said invention.

CHUAN FANG LIU

CHUAN FANG LIU (FAMILY NAME: LIU)

OCT. 20, 2000

(Signature of sole or first inventor)

(Date)

(Signature of second inventor, if any)

(Date)

(Signature of third inventor, if any)

(Date)

(Signature of fourth inventor, if any)

(Date)

(Signature of fifth inventor, if any)

(Date)

(Signature of sixth inventor, if any)

(Date)

(Signature of seventh inventor, if any)

(Date)

(Signature of eighth inventor, if any)

(Date)