

03-14-2000



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

2.2.00

1. Name of the conveying party (ies):

**William Shieh**

Additional name(s) of conveying parties attached?  
 Yes  No

Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date:  
 January 31, 2000

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

Name: **Lucent Technologies Inc.**  
 Internal Address:  
 Street Address: **600 Mountain Avenue**  
 City: **Murray Hill** State: **NJ** Zip: **07974-0636**

Additional name(s) attached?  Yes  No



4. Application or Registration Number(s)

If this application is being filed with a new application, the execution date of the new application is: January 31, 2000

A. Patent Application Numbers                      B. Patent Registration Numbers

Additional Numbers attached?  Yes  No

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

Name: **Intellectual Property Docket Administrator**  
 Firm: **Gibbons, Del Deo Dolan, Griffinger & Vecchione**  
 Address: **One Riverfront Plaza**  
 City: **Newark** State: **N.J.** Zip: **07102-5497**

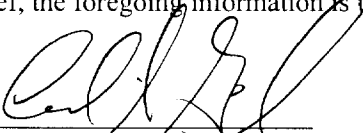
6. Total Number of applications and registrations involved: 1

7. Total Fee:  
 Enclosed  
 Authorized to be charged to Deposit Account

8. Deposit Account Number:  
**12-2325** /

(attach duplicate copy of this 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

Name: Carl A. Giordano      Signature:       Date: February 2, 2000

03/13/2000 VBR000 00000139 122825 09497074 40.00 CNF

ES-581 #240391 v1 53572-35179

PATENT

REEL: 010598 FRAME: 0828

**ASSIGNMENT AND AGREEMENT**

For value received, I, **William Shieh**, of the City of Ocean Township, in the County of Monmouth and the State of New Jersey hereby sell, assign and transfer to **Lucent Technologies Inc.**, a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **A ROBUST RESET-FREE POLARIZATION CONTROLLER CONSISTING OF QUARTER-WAVELENGTH PLATES**, described in an application Letters Patents of the United States, executed by me, and all of the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to **Lucent Technologies Inc.** the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize **Lucent Technologies Inc.** to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **Lucent Technologies Inc.** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to **Lucent Technologies Inc.** in the United States and to **Lucent Technologies Inc.** in all countries foreign to the United States, or to such nominees as they may designate.

I agree that, when requested, I shall, without charge to **Lucent Technologies Inc.** but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents or other forms of protection.

William Shieh  
William Shieh

Date: Jan 31, 2000

United States of America )

State of New Jersey ) ss.:

County of Monmouth )

On this 31<sup>st</sup> day of Jan, ~~19~~<sup>2000</sup>, before me personally came **William Shieh**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Mary L Benson  
Notary Public

**MARY L. BENSON**  
Notary Public of New Jersey  
My Commission Expires June 3, 2004