

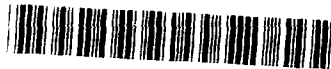
FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

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07-17-2002

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U.S. Department of Commerce  
Patent and Trademark Office



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

1. Name of conveying party(ies): <b>Chihaya ADACHI</b> <b>Marc A. BALDO</b> <b>Stephen R. FORREST</b> <i>7-15-02</i>		2. Name and address of receiving party(ies) Name: <b>THE TRUSTEES OF PRINCETON UNIVERSITY</b> Address: <b>P.O. Box 36</b> <b>Princeton, New Jersey 08544</b>	
Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____ Execution date: <b>April 3, 2002; June 18, 2002 and April 1, 2002</b>			
4. Application numbers or patent numbers: If this document is being filed together with a new application, the execution date of the application is:			
A. Patent Applications <b>10/087,417</b>		B. Patent No.(s)	
Additional Numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Thomas F. Meagher</u> Internal Address: <u>KENYON &amp; KENYON</u> Street Address: <u>One Broadway</u> City: <u>New York</u> State: <u>New York</u> Zip Code: <u>10004</u>		6. Total number of applications and patents involved: _____	
		7. Total fee (37 C.F.R. 3.41) ..... \$ <b>40.00</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account	
		8. Deposit account number: <u>11-0600</u> (Attach duplicate copy of this page if paying by deposit account)	
<b>DO NOT USE THIS SPACE</b>			
9. Statement and signature. <i>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.</i>			
Thomas F. Meagher (Reg. No. 29,831) Name of Person Signing		<i>Thomas F. Meagher</i> Signature	
		<i>7/8/02</i> Date	
Total Number of pages comprising document and cover sheet: <b>6</b>			
OMB No. 0651-0011 (exp. 4/94)			
Mail documents to be recorded with required cover sheet information to:  <b>Commissioner for Patents</b> <b>Box Assignments</b> <b>Washington DC 20231</b>			

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**PATENT**  
**REEL: 013083 FRAME: 0487**

ASSIGNMENT

WHEREAS, we,

**Chihaya ADACHI**  
**8-2-3 Seiryu**  
**Chitose, Hokkaido 006-0081**  
**Japan**

**Citizenship: Japan**

**Marc A. BALDO**  
**7V Magie Faculty Road**  
**Princeton, New Jersey 08540**

**Citizenship: Australia**

**Stephen R. FORREST**  
**148 Hunt Drive**  
**Princeton, New Jersey 08540**

**Citizenship: United States**

have made new and useful improvements in **DOUBLE DOPED-LAYER, PHOSPHORESCENT ORGANIC LIGHT EMITTING DEVICES**, for which an application for Letters Patent was filed with the U.S. Patent and Trademark Office on **March 1, 2002** as Serial No. **10/087,417**; and

WHEREAS **THE TRUSTEES OF PRINCETON UNIVERSITY**, having a place of business at P.O. Box 36, Princeton, New Jersey 08544, and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in any and all countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of our entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignee without encumbrance; and that we are aware of no claim to the contrary.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

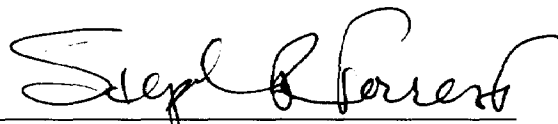
IN TESTIMONY WHEREOF, we have hereunto set our hands and seals this Third day  
of April, 2002.

  
\_\_\_\_\_  
Chihaya ADACHI

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals this 18<sup>th</sup> day  
of June, 2002.

  
Marc A. BALDO

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals this 1st day  
of April, 2002.

A handwritten signature in cursive script, appearing to read "Stephen R. Forrest". The signature is written in black ink and is positioned above a horizontal line.

**Stephen R. FORREST**