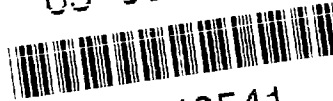


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3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: November 20, 2002	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 10/191,145 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: Y. ROCKY TSAO Fish & Richardson P.C. 225 Franklin Street Boston, Massachusetts 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
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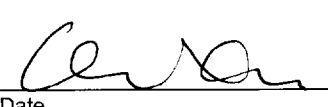
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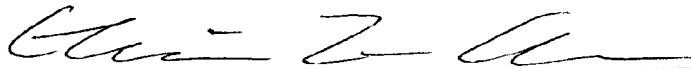
Paula T. Romeo
 Typed Name of Person Signing Certificate

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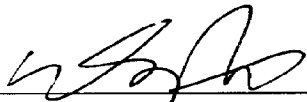
For valuable consideration, we, CHIN-TI CHEN of Taipei, Taiwan, HSIU-CHIH YEH of Taipei County, Taiwan, WEI-CHING WU of Taipei County, Taiwan, LI-HSIN CHAN of Taoyuan County, Taiwan, hereby assign to Academia Sinica, a Taiwan corporation having a place of business at 128, Sec. 2, Academia Sinica Road, Nan-Kang, Taipei, Taiwan, R.O.C.; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled RED LIGHT EMITTING MATERIALS, filed July 9, 2002, and assigned U.S. Serial Number 10/191,145, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Academia Sinica,
this 20th day of November, 2002



L.S.

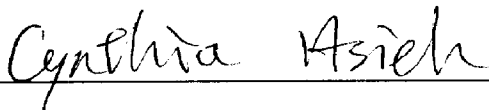
CHIN-TI CHEN



Witness

Nov. 20, 2002

Date



Witness

Nov. 20, 2002

Date

IN WITNESS WHEREOF, I hereto set my hand and seal at Academia Sinica,
this 20th day of November, 2002

Hsiu-Chih Yeh
HSIU-CHIH YEH

L.S.

[Signature]

Witness

[Signature]
Date

Cynthia Hsieh

Witness

Nov. 20, 2002
Date

IN WITNESS WHEREOF, I hereto set my hand and seal at Academia Sinica,
this 20th day of November, 2002

Wei-Ching Wu
WEI-CHING WU

L.S.

[Signature]

Witness

Nov. 20, 2002
Date

Cynthia Hsieh

Witness

Nov. 20, 2002
Date

IN WITNESS WHEREOF, I hereto set my hand and seal at Academia Sinica,
this 20th day of November, 2002

Li-Hsin Chan

L.S.

LI-HSIN CHAN

[Signature]

Witness

Nov. 20, 2002.

Date

Cynthia Hsieh

Witness

Nov. 20, 2002

Date

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