

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>CARL B. WANG</td> <td>11/13/2006</td> </tr> <tr> <td>YU-CHENG LIN</td> <td>11/01/2006</td> </tr> <tr> <td>SHIH-MING KAO</td> <td>11/01/2006</td> </tr> <tr> <td>JAW-SHIN CHENG</td> <td>11/01/2006</td> </tr> </tbody> </table>		Name	Execution Date	CARL B. WANG	11/13/2006	YU-CHENG LIN	11/01/2006	SHIH-MING KAO	11/01/2006	JAW-SHIN CHENG	11/01/2006
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JAW-SHIN CHENG	11/01/2006										
RECEIVING PARTY DATA											
Name:	E. I. DU PONT DE NEMOURS AND COMPANY										
Street Address:	1007 MARKET STREET										
Internal Address:	LEGAL-PATENTS										
City:	WILMINGTON										
State/Country:	DELAWARE										
Postal Code:	19898										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11510170</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11510170						
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Application Number:	11510170										
CORRESPONDENCE DATA											
Fax Number:	(302)992-4773										
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Address Line 2:	LEGAL-PATENTS										
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ATTORNEY DOCKET NUMBER:	EL0628USNA										
NAME OF SUBMITTER:	CAROL REEDER										

CH \$40.00 11510170

Total Attachments: 2

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ASSIGNMENT

We, the undersigned

**CARL B. WANG, SHI-MING KAO, YU-CHENG LIN,
JAW-SHIN CHENG**

Hereby declare that

We are the true and first inventors of an invention entitled


**LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) TAPE
COMPOSITIONS, LIGHT-EMITTING DIODE (LED) MODULES, LIGHTING
DEVICES AND METHODS OF MAKING THEREOF**

and which is disclosed in United States Patent Application No. **11/510,170** filed on **August 25, 2006** (and which is identified as Case Number **EL0628USNA**).

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto **E. I. DU PONT DE NEMOURS AND COMPANY**, a corporation organized and existing under the laws of State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the sole and entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) to file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.



CARL B. WANG (L.S.)
DATE: Nov 13, 2006

YU-CHENG LIN (L.S.)
DATE: _____

SHI-MING KAO (L.S.)
DATE: _____

JAW-SHIN CHENG (L.S.)
DATE: _____

ASSIGNMENT

We, the undersigned

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JAW-SHIN CHENG**

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II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

(L.S.)
CARL B. WANG
DATE: _____

Shih-Ming Kao

(L.S.)
SHIH-MING KAO
DATE: *Nov. 1st / 2006*

Yu-Cheng Lin

(L.S.)
YU-CHENG LIN
DATE: *Nov. 01, 06'*

Jaw-Shin Cheng

(L.S.)
JAW-SHIN CHENG
DATE: *Nov. 01, 06'*