

15866  
U.S. PTO  
100605

PTO/SB/05 (09-04)  
Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>	Attorney Docket No.	GLOLP0108USAB
	First Inventor	Jeffery R. Parker
	Title	LIGHT EMITTING PANEL . . .
	Express Mail Label No.	EV671713584US

<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>	<b>ADDRESS TO:</b> Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450
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<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> <b>Fee Transmittal Form</b> (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i></li> <li>2. <input type="checkbox"/> <b>Applicant claims small entity status.</b> See 37 CFR 1.27.</li> <li>3. <input checked="" type="checkbox"/> <b>Specification</b> [Total Pages <u>18</u> ] Both the claims and abstract must start on a new page <i>(For information on the preferred arrangement, see MPEP 608.01(e))</i></li> <li>4. <input checked="" type="checkbox"/> <b>Drawing(s)</b> (35 U.S.C. 113) [Total Sheets <u>4</u> ] <input type="checkbox"/> Informal</li> <li>5. <b>Oath or Declaration</b> [Total Sheets <u>2</u> ]       <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> A copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> <ol style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ol> </li> </ol> </li> <li>6. <input checked="" type="checkbox"/> <b>Application Data Sheet.</b> See 37 CFR 1.76</li> <li>7. <input type="checkbox"/> <b>CD-ROM or CD-R</b> in duplicate, large table or Computer Program <i>(Appendix)</i> <input type="checkbox"/> Landscape Table on CD</li> <li>8. <b>Nucleotide and/or Amino Acid Sequence Submission</b> <i>(if applicable, items a. - c. are required)</i> <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. <input type="checkbox"/> Specification Sequence Listing on:           <ol style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> Paper</li> </ol> </li> <li>c. <input type="checkbox"/> Statements verifying identity of above copies</li> </ol> </li> </ol>	<b>ACCOMPANYING APPLICATION PARTS</b> <ol style="list-style-type: none"> <li>9. <input type="checkbox"/> <b>Assignment Papers</b> (cover sheet &amp; document(s)) Name of Assignee _____</li> <li>10. <input type="checkbox"/> <b>37 CFR 3.73(b) Statement</b> <input type="checkbox"/> <b>Power of Attorney</b> <i>(when there is an assignee)</i></li> <li>11. <input type="checkbox"/> <b>English Translation Document</b> <i>(if applicable)</i></li> <li>12. <input type="checkbox"/> <b>Information Disclosure Statement</b> (PTO/SB/08 or PTO-1449) <input type="checkbox"/> Copies of citations attached</li> <li>13. <input type="checkbox"/> <b>Preliminary Amendment</b></li> <li>14. <input checked="" type="checkbox"/> <b>Return Receipt Postcard</b> (MPEP 503) <i>(Should be specifically itemized)</i></li> <li>15. <input type="checkbox"/> <b>Certified Copy of Priority Document(s)</b> <i>(if foreign priority is claimed)</i></li> <li>16. <input type="checkbox"/> <b>Nonpublication Request</b> under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent.</li> <li>17. <input checked="" type="checkbox"/> Other: <u>Form PTO-2038</u></li> </ol>
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18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

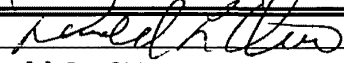
Continuation     **Divisional**     Continuation-in-part (CIP)    of prior application No.: 10/784,527

Prior application information:    Examiner Thomas M. Sember    Art Unit: 2875

**19. CORRESPONDENCE ADDRESS**

The address associated with Customer Number: 23908    OR     Correspondence address below

Name	
Address	
City	State      Zip Code
Country	Telephone      Fax

Signature		Date	October 6, 2005
Name (Print/Type)	Donald L. Otto	Registration No. (Attorney/Agent)	22,125

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<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	
TOTAL AMOUNT OF PAYMENT (\$)		Filing Date	herewith
		First Named Inventor	Jeffery R. Parker
TOTAL AMOUNT OF PAYMENT (\$)		Examiner Name	
		Art Unit	
TOTAL AMOUNT OF PAYMENT (\$)		Attorney Docket No.	GL0LP0108USAB
TOTAL AMOUNT OF PAYMENT (\$)			
TOTAL AMOUNT OF PAYMENT (\$)			

**METHOD OF PAYMENT (check all that apply)**

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 18-0988 Deposit Account Name: Renner Otto Boisselle & Sklar LLP

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	\$1,000.00
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
28	- 20 or HP = 8	x 50 =	400			
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	2	- 3 or HP = 0	x			
HP = highest number of independent claims paid for, if greater than 3						

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

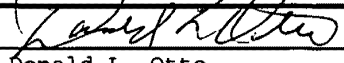
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
	- 100 =	/ 50 =	(round up to a whole number) x	=

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: \_\_\_\_\_

**SUBMITTED BY**

Signature		Registration No. 22,125 (Attorney/Agent)	Telephone 216-621-1113
Name (Print/Type)	Donald L. Otto		Date October 6, 2005

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	First Inventor	Jeffery R. Parker
	Title	LIGHT EMITTING PANEL . . .
	Express Mail Label No.	EV671713584US

<p><b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents.</i></p> <p>1. <input checked="" type="checkbox"/> <b>Fee Transmittal Form</b> (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i></p> <p>2. <input type="checkbox"/> <b>Applicant claims small entity status.</b> See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> <b>Specification</b> [Total Pages <u>18</u> ] Both the claims and abstract must start on a new page <i>(For information on the preferred arrangement, see MPEP 608.01(e))</i></p> <p>4. <input checked="" type="checkbox"/> <b>Drawing(s)</b> (35 U.S.C. 113) [Total Sheets <u>4</u> ] <input type="checkbox"/> Informal</p> <p>5. <b>Oath or Declaration</b> [Total Sheets <u>2</u> ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> A copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input checked="" type="checkbox"/> <b>Application Data Sheet.</b> See 37 CFR 1.76</p> <p>7. <input type="checkbox"/> <b>CD-ROM or CD-R</b> in duplicate, large table or Computer Program <i>(Appendix)</i> <input type="checkbox"/> Landscape Table on CD</p> <p>8. <b>Nucleotide and/or Amino Acid Sequence Submission</b> <i>(if applicable, items a. - c. are required)</i> a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies</p>	<p><b>ADDRESS TO:</b> Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450</p> <p><b>ACCOMPANYING APPLICATION PARTS</b></p> <p>9. <input type="checkbox"/> <b>Assignment Papers</b> (cover sheet &amp; document(s)) Name of Assignee _____</p> <p>10. <input type="checkbox"/> <b>37 CFR 3.73(b) Statement</b> <input type="checkbox"/> <b>Power of Attorney</b> <i>(when there is an assignee)</i></p> <p>11. <input type="checkbox"/> <b>English Translation Document</b> <i>(if applicable)</i></p> <p>12. <input type="checkbox"/> <b>Information Disclosure Statement</b> (PTO/SB/08 or PTO-1449) <input type="checkbox"/> Copies of citations attached</p> <p>13. <input type="checkbox"/> <b>Preliminary Amendment</b></p> <p>14. <input checked="" type="checkbox"/> <b>Return Receipt Postcard</b> (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>15. <input type="checkbox"/> <b>Certified Copy of Priority Document(s)</b> <i>(if foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> <b>Nonpublication Request</b> under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent.</p> <p>17. <input checked="" type="checkbox"/> Other: <u>Form PTO-2038</u></p>
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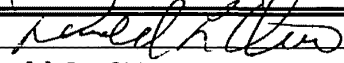
Continuation     **Divisional**     Continuation-in-part (CIP)    of prior application No.: 10/784,527

Prior application information:    Examiner Thomas M. Sember    Art Unit: 2875

**19. CORRESPONDENCE ADDRESS**

The address associated with Customer Number: 23908    OR     Correspondence address below

Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Signature		Date	October 6, 2005
Name (Print/Type)	Donald L. Otto	Registration No. (Attorney/Agent)	22,125

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		<b>Complete if Known</b>	
<b>FEE TRANSMITTAL For FY 2005</b>		Application Number	
		Filing Date	herewith
		First Named Inventor	Jeffery R. Parker
		Examiner Name	
		Art Unit	
		Attorney Docket No.	GL0LP0108USAB
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
<b>TOTAL AMOUNT OF PAYMENT</b>	(\$)	1,400.00	

**METHOD OF PAYMENT** (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 18-0988 Deposit Account Name: Renner Otto Boisselle & Sklar LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17  Credit any overpayments

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**FEE CALCULATION**

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Utility	300	150	500	250	200	100	\$1,000.00
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

**Total Claims** 28 - 20 or HP = 8 **Extra Claims** 8 **Fee (\$)** 400 **Fee Paid (\$)** 400

HP = highest number of total claims paid for, if greater than 20

**Indep. Claims** 2 - 3 or HP = 0 **Extra Claims** 0 **Fee (\$)** 0 **Fee Paid (\$)** 0

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

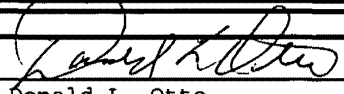
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Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____	_____	_____

\_\_\_\_\_ - 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

**4. OTHER FEE(S)**

Description	Fee (\$)	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)		
Other: _____		

<b>SUBMITTED BY</b>			
Signature		Registration No. <u>22,125</u>	Telephone <u>216-621-1113</u>
Name (Print/Type)	<u>Donald L. Otto</u>	(Attorney/Agent)	Date <u>October 6, 2005</u>

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TITLE: **LIGHT EMITTING PANEL ASSEMBLIES**

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### **CROSS-REFERENCE TO RELATED APPLICATIONS**

This application is a division of U.S. Patent Application No. 10/784,527, filed February 23, 2004, which is a division of U.S. Patent Application No. 09/256,275, filed February 23, 1999, now U.S. Patent No. 6,712,481, dated  
10 March 30, 2004, which is a continuation-in-part of U.S. Patent Application No. 08/778,089, filed January 2, 1997, now U.S. Patent No. 6,079,838, dated June 27, 2000, which is a division of U.S. Patent Application No. 08/495,176, filed June 27, 1995, now U.S. Patent No. 5,613,751, dated March 25, 1997.

15

### **BACKGROUND OF THE INVENTION**

This invention relates generally, as indicated, to light emitting panel assemblies each including a transparent panel member for efficiently conducting light, and controlling the light conducted by the panel member to be emitted from one or more light output areas along the length thereof.

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Light emitting panel assemblies are generally known. However, the present invention relates to several different light emitting panel assembly configurations which provide for better control of the light output from the panel assemblies and for more efficient utilization of light, which results in greater light output from the panel assemblies.

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### **SUMMARY OF THE INVENTION**

In accordance with one aspect of the invention, the light emitting panel assemblies include a light emitting panel member having a light transition area in which at least one light source is suitably mounted for transmission of light to the  
30 light input surface of the panel member.

In accordance with another aspect of the invention, the light source is desirably embedded, potted or bonded to the light transition area to eliminate any air gaps, decrease surface reflections and/or eliminate any lens effect between the light source and light transition area, thereby reducing light loss and  
35 increasing the light output from the panel assembly.

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