

15866  
U.S. PTO  
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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>  <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.	GLOLP0108USAB
	First Inventor	Jeffery R. Parker
	Title	LIGHT EMITTING PANEL . . .
	Express Mail Label No.	EV671713584US

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents.</i>	<b>ADDRESS TO:</b> Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450
<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>  <i>See 37 CFR 1.27.</i></li> <li>3. <input checked="" type="checkbox"/> <b>Specification</b> [Total Pages <u>18</u> ]  <i>Both the claims and abstract must start on a new page            (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  <b>Computer Program</b> (Appendix)  <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> (if applicable)</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).  <i>Applicant must attach form PTO/SB/35 or equivalent.</i></li> <li>17. <input checked="" type="checkbox"/> Other: <u>Form PTO-2038</u></li> </ol>

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:

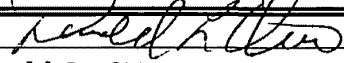
Continuation    
 Divisional    
 Continuation-in-part (CIP)    
 of prior application No.: 10/784,527

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
Country	Zip Code
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). <h2 style="text-align: center;">FEE TRANSMITTAL</h2> <h3 style="text-align: center;">For FY 2005</h3>		<b>Complete if Known</b>	
<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 (\$)		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)

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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**

**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** 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

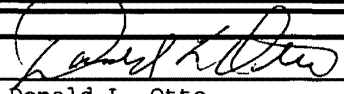
**3. APPLICATION SIZE FEE**

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)**

Description	Fee (\$)	Fee 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>

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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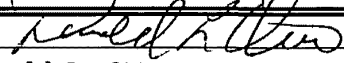
Continuation    
  **Divisional**    
  Continuation-in-part (CIP)    
 of prior application No.: 10/784,527

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

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 OR    
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Name	
Address	
City	State
Country	Zip Code
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.	GLOLP0108USAB
TOTAL AMOUNT OF PAYMENT (\$)		(\$)	
TOTAL AMOUNT OF PAYMENT (\$)		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)

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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	Small Entity	
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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 x 50 = 400

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

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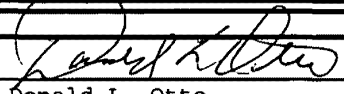
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	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other: _____	

<b>SUBMITTED BY</b>			
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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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

TITLE: **LIGHT EMITTING PANEL ASSEMBLIES**

5

### **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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