'M COVER SHEET ONLY

1. Name of conveying party(les): 1. Name of conveying party(les): 2. Name and address of receiving party(les): Alexei A. Erchak, Udi E. Meirav, and Michael Gregory Brown Additional name(s) attached?	Commissioner for Paten 104 attached original docume	nt(s) or copy(ies).	
Merger Security Agreement Change of Name Other: Execution Date: 04/30/04; 04/28/04; 04/30/04 Additional names/addresses attached? □ Yes ☒ No 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: B: Patent No(s).: B: Patent No(s).: B: Patent No(s).:	1. Name of conveying party(ies): 5.10. p.	2. Name and address of receiving party(ies):	
Merger Security Agreement Change of Name Other: Execution Date: 04/30/04; 04/28/04; 04/30/04 Additional names/addresses attached? □ Yes ☒ No 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: B: Patent No(s).: B: Patent No(s).: B: Patent No(s).:	Alexei A. Erchak, Udi E. Meirav, and Michael	Luminus Devices, Inc.	
Merger Security Agreement Change of Name Other: Execution Date: 04/30/04; 04/28/04; 04/30/04 Additional names/addresses attached? □ Yes ☒ No 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: B: Patent No(s).: B: Patent No(s).: B: Patent No(s).:	Gregory Brown	175 New Boston St., Suite X	
Merger Security Agreement Change of Name Other: Execution Date: 04/30/04; 04/28/04; 04/30/04 Additional names/addresses attached? □ Yes ☒ No 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: B: Patent No(s).: B: Patent No(s).: B: Patent No(s).:	Additional name(s) attached? 口 Yes 図 No	Woburn, Massachusetts 01801	
Merger Security Agreement Change of Name Other: Execution Date: 04/30/04; 04/28/04; 04/30/04 Additional names/addresses attached? □ Yes ☒ No 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: B: Patent No(s).: B: Patent No(s).: B: Patent No(s).:	3. Nature of conveyance:	United States of America	
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).: 10/724,006 Additional numbers attached? Yes No 5. Name/address of party to whom correspondence concerning document should be mailed: SEAN P. DALEY Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804 Benclosed 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. DO NOT USE THIS SPACE 9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing	☐ Merger ☐ Security Agreement ☐ Change of Name		
If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s).: 10/724,006 Additional numbers attached? Yes No 5. Name/address of party to whom correspondence concerning document should be mailed: SEAN P. DALEY Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804 6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 Enclosed 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. DO NOT USE THIS SPACE 9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing	Execution Date: 04/30/04; 04/28/04; 04/30/04	Additional names/addresses attached? ☐ Yes ☑ No	
A. Patent Application No(s).: 10/724,006 Additional numbers attached? □ Yes ☒ No 5. Name/address of party to whom correspondence concerning document should be mailed: SEAN P. DALEY Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804 Boston, MA 02110-2804 DO NOT USE THIS SPACE 9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing B: Patent No(s).: B: Patent No(s).: 6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 ☒ Enclosed ☐ 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. DO NOT USE THIS SPACE	Application number(s) or patent number(s):		
Additional numbers attached? □ Yes ☒ No 5. Name/address of party to whom correspondence concerning document should be mailed: SEAN P. DALEY Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804 DO NOT USE THIS SPACE 9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing 6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 ☑ Enclosed ☐ 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. DO NOT USE THIS SPACE	If this document is being filed with a new application, the execution	date of the application is:	
SEAN P. DALEY Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804 9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing 6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 Enclosed DAUthorized 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. DO NOT USE THIS SPACE	A. Patent Application No(s).:	B: Patent No(s).:	
5. Name/address of party to whom correspondence concerning document should be mailed: SEAN P. DALEY Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804 DO NOT USE THIS SPACE 6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 Enclosed 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. DO NOT USE THIS SPACE 9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing Signature 6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 Enclosed Dature (37 CFR §3.41): \$40 Enclosed	10/724,006		
SEAN P. DALEY Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804 DO NOT USE THIS SPACE 9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing 7. Total fee (37 CFR §3.41): \$40 Enclosed 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. DO NOT USE THIS SPACE	Additional numbers attached? ☐ Yes ☑ No		
Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050. DO NOT USE THIS SPACE 9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing Description: B Enclosed 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. DO NOT USE THIS SPACE		6. Total number of applications/patents involved: 1	
225 Franklin Street Boston, MA 02110-2804 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050. DO NOT USE THIS SPACE 9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing Date 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. DO NOT USE THIS SPACE	SEAN P. DALEY	7. Total fee (37 CFR §3.41): \$40	
8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050. DO NOT USE THIS SPACE 9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050. Do NOT USE THIS SPACE 9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing			
9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing Name of Person Signing		☐ Authorized to charge Deposit Account.	
9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing Deposit Account No. 06-1050. Date Document Strue and correct and any attached copy is a true copy of the original document. Date	Boston, MA 02110-2804	8. Deposit Account No.: 06-1050	
9. Statement and Signature: 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. Sean P. Daley Reg. No. 40,978 Name of Person Signing Signature Date			
Sean P. Daley Reg. No. 40,978 Name of Person Signing Autor Signature Name of Person Signing	DO NOT USE	THIS SPACE	
Sean P. Daley Reg. No. 40,978 Name of Person Signing Autor Signature Name of Person Signing			
Sean P. Daley Reg. No. 40,978 Name of Person Signing Autor Signature Name of Person Signing			
Sean P. Daley Reg. No. 40,978 Name of Person Signing Signature Date			
Reg. No. 40,978 Name of Person Signing Signature Signature Date	any attached copy is a true copy of the original document	t.	
Reg. No. 40,978 Name of Person Signing Signature Signature Date	// /\//		
Name of Person Signing Signature Date	Sean P. Daley	~ la l .	
		5/6/04	
Total number of pages including coversheet, attachments and document: 5	Name of Person Signing Signature	Date / (
	Total number of pages including coversheet, attachments and document: 5		

20856501.doc

05/11/2004 MGETACHE 00000178 10724006

01 FC:8021

40.00 DP

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Mail Stop Assignment Recordation Services, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Patricia Smith
Typed Name of Person Signing Certificate

REEL: 015308 FRAME: 0037

PATENT

ASSIGNMENT

For valuable consideration, we, <u>ALEXEI A. ERCHAK</u> of <u>41 Pilgrim Street</u>, <u>Apt. #301</u>, <u>Cambridge</u>, <u>MA 02139</u>, <u>UDI E. MEIRAV</u> of 146 Lincoln Street, Newton, MA 02461, and <u>MICHAEL GREGORY BROWN</u> of <u>33 Jacques Road</u>, <u>Tyngsboro</u>, <u>MA 01879</u>, hereby assign to: <u>Luminus Devices</u>, <u>Inc.</u>, a corporation of <u>Delaware</u> having a place of business at:

175 New Boston St., Suite X Woburn, MA 01801; 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 UNIFORM COLOR PHOSPHOR-COATED LIGHT-EMITTING DIODE, filed November 26, 2003, and assigned U.S. Serial Number 10/724,006, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; 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 Luminus Devices, Inc.,
this 30th day of April , 20 04
L.S.
ALEXEI A. ERCHAK
State of <u>Massachusetts</u> : ss.
County of <u>Middlesef</u> :
Before me this 30th day of april , 2004, personally
appeared ALEXEI A. ERCHAK known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.
Ethel D. Marting Notary Public My Commission Expires: S. 5to 14.) 4. 2009
[Notary's Seal Here] My Commission Expires: September 4, 2009

IN WITNESS WHEREOF, I hereto set my hand and seal at,
this 28 day of 10x1, 2004
L.S.
UDI E. MEIRAV
State of Mussells:
County of Middles :
Before me this 28 day of Quil, 2004, personally
appeared UDI E. MEIRAV known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.
Notary Public My Commission Expires: 13,2008
[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Luminus Devices Inc.
this 30 day of April 1,2004 L.S.
MICHAEL GREGORY BROWN
State of Massachusetts
. : ss.
County of Middlesey:
Before me this 30th day of april , 2004, personally
•
appeared MICHAEL GREGORY BROWN known to me to be the person whose name is
subscribed to the foregoing Assignment and acknowledged that he executed the same as his free
act and deed for the purposes therein contained.
Ethel D. Marting Notary Public
My Commission Expires: September 4, 2009
[Notary's Seal Here]
20830828.doe

Page 4 of 4

PATENT REEL: 015308 FRAME: 0041

RECORDED: 05/10/2004