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1. David H. DuBois	Name: The Regents of the University of California	
2. Andrew J. DuBois 3. Carolyn Connor	Internal Address: Los Alamos National Laboratory	
Additional name(s) of conveying party(ies) attached? Yes X No		
3. Nature of conveyance/Execution Date(s):	Street Address: <u>LC/IP. MS A187</u>	
Execution Date(s) 05/22/06		
Assignment Merger  Security Agreement Change of Name	City: Los Alamos	
Joint Research Agreement	State: New Mexico	
Government Interest Assignment	Ordice Dem Mexico	
Executive Order 9424, Confirmatory License	Country: USA Zip: 87545	
Other Corrective Assignment correcting Assignee	Additional name(s) & address(es) attached? Yes X No	
A. Patent Application No.(s) 11/441,972 Additional numbers at	B. Patent No.(s)  ached? ☐ Yes ☒No	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Ortiz & Lopez, PLLC		
	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00	
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Ernail Address: docketing@olpatentlaw.com	Authorized User Name 4107	
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Tab settings + + + V 103251057  To the Director of the United States Patent and Tracement Utilics: Please record the atteched origin  1. Name of conveying party(les):  2. Name and address of received.  3. Carolyn Conner Davesport  1. David H. DuBols  3. Carolyn Conner Davesport	ving party(les):
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i. David H. DuBols 2. Andrew J. DuBols 3. Carolyn Conner Davenport    Los Alames Nation	# C 1
2. Andrew J. DuBois Nation 3. Carolyn Connor Davenport Name: Los Alamos Nation	and I absent
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Additional comments of comments and district	——————————————————————————————————————
Additional names(s) of conveying party(iss)	
3. Nature of conveyance;	<u> </u>
☐ Assignment ☐ Merger Street Address: P.O. Box 16	663
☐ Security Agreement ☐ Change of Name	
Other City: Los Alemos	State: <u>NM</u> ZIP; <u>87545</u>
Execution Date: 5/22/06, 5/22/06, 5/22/06	
Additional name(s) & address(es)	MUSICINET L.I Yes DO No
4. Application number(s) or patent numbers(s):	
If this document is being filed together with a new application, the execution date of the applica-	ation Is:
A. Patent Application No.(s) B. Patent No.(s)	<del>-</del>
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05/31/2006 HLE333 00000051 11441972	
04 FC18021 40.00 8P	
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Additional numbers attached? 🔲 Yes 🗀 No	
5. Name and address of party to whom correspondence	
concerning document should be mailed:  6. Total number of applications	and patents involved:
Name: Ortiz & Lopez, PLLC	
7. Total fee (37 CFR 3.41):	\$ <u>40.00</u>
Internal Address:	r insufficiency should be posit account
Authorized to be charged	
Street Address: P.O. Box 4484 8. Deposit account number:	- w vejvost avoidi R
City: Albuquerque State: NM 71P: 87196	<del></del>
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Statement and signature.	
To the best of my knowledge and belief, the foregoing information is true and correct and any a of the original document.	ittached copy is a true copy
Kernit Lopez Kern Joh	May 25, 2006
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Director of the United States Palent and Trademost Office, P.O. Box 1480, Alexandria, VA 22313-1480

**PATENT** 

REEL: 021573 FRAME: 0904

## ASSIGNMENT

WHEREAS, we, David H. DuBois, City of Los Alamos, State of New Mexico, Andrew J. DuBois, City of Santa Fe, State of New Mexico, and Carolyn Connor <del>Devenport</del>, City of Los Alamos, State of New Mexico, invented certain new and useful improvements in **Combining Multi-layered Bitmap Files using Network Specific Hardware**, for which an application is being made for Letters Patent of the United States.

Whereas, Les Alamos National Laboratories (LANL) is desirous of acquiring the entire fight, 9/17/0% title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor;

(The Recycles) (The Recyc

Now, therefore, for good and valuable consideration to us paid by LANE, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby and to said invention, said application and the Letters Patent, both foreign and domestic, that may or agreements concerning patents to which the United States is a party, and we do hereby authorize and accordance herewith.

We further authorize said assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of any international convention, treaty and/or agreement.

We do hereby covenant and agree with the said assignee, its successors and assigns, that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said assignee, its successors and assigns, execute such additional writings and do such additional acts as said assignee, its successors and assigns, may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or any of and all foreign countries on said invention, and in enforcing any rights, occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

Page 1 of 4 Assignment Docket No. LAD-2006-005

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Page 2 of 4 Assignment Docket No. LAD-2006-005

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Page 3 of 4 Assignment Docket No. LAD-2006-005

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PATENT REEL: 021573 FRAME: 0908

**RECORDED: 09/22/2008**