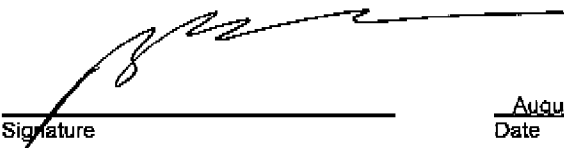
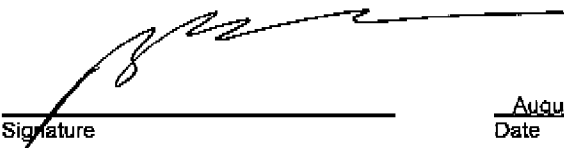
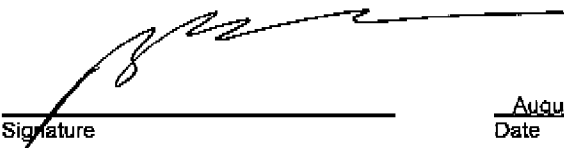


Substitute Form PTO-1595  
Attorney Docket No.: 12227-016001**RECORDATION FORM COVER SHEET  
(RESUBMISSION)  
PATENTS ONLY**

Commissioner for Patents: Please record the attached original document(s) or copy(ies).				
1. Name of conveying party(ies): <b>Shulai Zhao and Bo Pi</b> Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): <b>Oluma, Inc.</b> <b>5803 Newton Drive, Suite B</b> <b>Carlsbad, CA 92008</b>  Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: 11/5/2001				
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): <b>09/894,977</b> B. Patent No(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
5. Name/address of party to whom correspondence concerning document should be mailed: <b>BING AI</b> <b>Fish &amp; Richardson P.C.</b> <b>PTO Customer No. 20985</b> <b>4350 La Jolla Village Drive, Suite 500</b> <b>San Diego, California 92122</b>	6. Total number of applications/patents involved: 1  7. Total fee (37 CFR §3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> 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.			
<b>DO NOT USE THIS SPACE</b>				
9. Statement and Signature: <i>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.</i>  <table border="0" style="width: 100%;"><tr><td style="width: 30%;">Bing Ai Reg. No. 43,312 Name of Person Signing</td><td style="width: 40%; text-align: center;"> Signature</td><td style="width: 30%; text-align: right;">August 14, 2002 Date</td></tr></table>		Bing Ai Reg. No. 43,312 Name of Person Signing	 Signature	August 14, 2002 Date
Bing Ai Reg. No. 43,312 Name of Person Signing	 Signature	August 14, 2002 Date		
Total number of pages including coversheet, attachments and document: 2				

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**CERTIFICATE OF TRANSMISSION BY FACSIMILE**

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

August 14, 2002  
Date of Transmission  
SignatureSharon Gebhart  
Typed Name of Person Signing Certificate**PATENT**

700016123

REEL: 012986 FRAME: 0573

Attorney Docket No.: 12227-016001

ASSIGNMENT

For valuable consideration, we, SHULAI ZHAO of 2229 Lagoon View Drive, Encinitas, California 92007; and BO PI of 7862 Via Coscoja, Carlsbad, CA 92009, hereby assign to: Oluma, Inc., a Delaware corporation having a place of business at: 5803 Newton Drive, Suite B, Carlsbad, CA 92008; 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 THIN FILM STRUCTURES IN DEVICES WITH A FIBER ON A SUBSTRATE, filed June 27, 2001, and assigned U.S. Serial Number 09/894,977; 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.

Date: 11/5/01  
SHULAI ZHAODate: 11/5/01  
BO PI

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