Attorney Docket No. 2771-831

	ORM COVER SHEET	
Form PTO-1595 PATEN	TS ONLY	
OMB No. 0651-0027	U.S. DEPARTMENT OF COMMERCE	
To the Honorable Commissioner of Patents and Trademarks: F	U.S. Patent and Trademark Office	
1. Name of conveying party (les):	Name and address of receiving party (ies)	
XU, Chongying		
HENDRIX, Bryan C. CAMERON, Thomas M.	ADVANCED TECHNOLOGY MATERIALS, INC.	
ROEDER, Jeffrey F.	7 COMMERCE DRIVE	
STENDER, Matthias	DANBURY, CT 06810-4169	
CHEN, Tianniu		
Additional name(s) of conveying party (ies) attached? Yes No		
3. Nature of conveyance:		
Security Agreement Change of Name		
Other:		
Execution Data(a): July 24, 2000 (TC), L.L. 25, 2000 (CV)		
Execution Date(s): July 24, 2009 (TC); July 25, 2009 (CX); July 29, 2009 (BH); July 28, 2009 (JR); August 8, 2009 (MS)		
and August 9, 2009 (TMC)		
 Application number(s) or patent number (s): 		
If this document is being filed together with a new application, t	he execution date of the application is:	
A. Fatent Apprecation No. (8)	B. Patent No. (s)	
12/523,704		
1		
Additional numbers	attached? Yes No	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total Number of applications and patents involved: 1	
	7. Total fee (37 C.F.R. 3.41)\$ 40.00	
Name: Steven J. Hultquist		
Company Name: Intellectual Property/Technology Law	Enclosed Credit Card Payment Form	
Street Address: P.O. Box 14329	Authorized to charge any deficiency or credit any	
City: Research Triangle Park State: NC Zip: 27709	8. Deposit account Number: 08-3284	
June 1 and June 110 Esp. 27709	(Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE		
9. State and signature.		
To the hest of my knowledge and heliof the family is		
To the best of my knowledge and belief, the foregoing informatio the original document.	n is true and correct and any attached copy is a true copy of	
//\frac{1}{2}	`	
Steven J. Hultquist	August 17, 2009	
Name of person signing Signature	Date	
Total number of pages including cover sheet, a	ttachments and documents: 13	

PATENT REEL: 023096 FRAME: 0547

ASSIGNMENT

We, CHONGYING XU, BRYAN C. HENDRIX, THOMAS M. CAMERON, JEFFREY F. ROEDER, MATTHIAS STENDER, and TIANNIU CHEN, have made an invention the specification of which is described in U.S. Patent Application No. 12/523,704 filed in the United States Patent and Trademark Office on July 17, 2009 entitled:

"PRECURSOR COMPOSITIONS FOR ALD/CVD OF GROUP II RUTHENATE THIN FILMS"

We hereby assign to Advanced Technology Materials, Inc., 7 Commerce Drive, Danbury, CT 06810-4169, all ownership and rights in:

- (i) the invention and U.S. Patent Application;
- (ii) non-provisional, continuing, divisional and continuation-in-part applications based on and claiming benefit and/or priority of said U.S. Patent Application;
- (iii) U.S. Patents on the invention; and
- (iv) corresponding foreign patent applications and patents.

We are making this assignment based on our employment relationship with Advanced Technology Materials, Inc.

We respectfully request the Commissioner for Patents of the United States and the appropriate officers of all foreign countries to issue patents on the invention to:

Advanced Technology Materials, Inc.

as owner of the invention and aforementioned patent rights.

We agree to execute any other legal documents that may be required to effectuate this Assignment.

We agree that we will promptly communicate to Advanced Technology Materials, Inc. all facts which come to our attention affecting the invention or patent rights.

We agree that we will testify in any interference or litigation involving the invention or patent rights.

We declare that we have not done anything in conflict with this Assignment.

CHONGYING XU

Date

04:50:33 p.m. 08-17-2009

5/16

BRYAN C. HENDRIX	Date
THOMAS M. CAMERON	Date
JEFFREY F. ROEDER	Date
MATTHIAS STENDER	Date
TIANNIU CHEN	Date

04:50:39 p.m. 08-17-2009

6/16

Docket No.: 2771-831
Assignment

AS	SIG	NN	TEP	T

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CHONGYING XU	Date

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BRYAN C. HENDRIX	Date
THOMAS M. CAMERON	Date
JEFFREY F. ROEDER	Date
MATTHIAS STENDER	Date
TIANNIU CHEN	Date

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BRYAN C. HENDRIX	Date \[\frac{1}{200} \]
THOMAS M. CAMERON	Date
JEFFREY F. ROEDER	Date
MATTHIAS STENDER	Date
TIANNIU CHEN	Date

04:51:24 p.m. 08-17-2009

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Docket No.: 2771-831
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MATTHIAS STENDER	Date
TIANNIU CHEN	 Date

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BRYAN C. HENDRIX	Date
THOMAS M. CAMERON	Date
JEFFREY F. ROEDER MATTHIAS STENDER	Date
MANNIU CHEN	Date

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BRYAN C. HENDRIX	Date		
THOMAS M. CAMERON	Date		
JEFFREY F. ROEDER	Date		
MATTHIAS STENDER Wenner	Date 07/24/09		
TIANNIU CHEN	Date		