07-31-1998			
		₹ SHEET 7-27-98	
1. Name of conveying party(ies) (assignor(s))			
Kenneth A. Ruth, Philip R. Schmidt			
Additional name(s) of conveying party(ies) attached?	] yes ⊠ no		
2. Name and Address of Party(ies) receiving an interest (as			
Name: MEMC Electronic Materials, Inc.			
Address: 501 Pearl Drive P.O. Box 8		The state of the s	
City:         St. Peters           State:         Missouri           Zip: 63376			
C . HCA			
Additional name(s) & address(es) attached? 🗀 yes	🛛 na		
3. Nature of Conveyance:	- 130		
Manager D Manager	Change of Name		
☑ Assignment ☐ Merger	□ Change of Name	•	
☐ Verified Translation ☐ Security Agrees	ment Other		
Execution Date: July 6, 1998 and July 13, 1998			
DACCUMON Date. July 0, 1770 and 3017 101 1770			
A. Patent Application No(s). 09/093,520	B Patent No(s).		
	additional sheet(s) attached?	Yes ⊠ No	
5. Name and address of party to whom correspondence	6. Total number of	6. Total number of applications and patents involved: Application(s) 1 + Patent(s): = Total 1	
concerning document should be mailed:	Application(s)		
Edward J. Hejlek	7. Total Fee (37 Cl	7. Total Fee (37 CFR 3.41) \$\text{40.00}\$	
Senniger, Powers, Leavitt & Roedel	☑ Enclosed	☑ Enclosed	
One Metropolitan Square	☐ Authorized	☐ Authorized to be charged to deposit account	
16th Floor St. Louis, Missouri 63102		8. Deposit Account Number: 19-1345	
(314) 231-5400 (telephone)	, ,	(Duplicate copy of this sheet attached)  ☑ Charge any underpayment or credit any overpayment to	
	above Depos	, -	
	DO NOT USE THIS SPACE		
	DO NOT USE THIS SEAS		
9. Statement and signature To the best of my knowledge and belief, the foregoing i	information is true and correct and	►any attached copy is a true copy of the original document.	
to the best of my knowledge and collect, and collect			
Edward J. Hejlek		7/23/98	
Name of Person Signing	Signature	Date	
71998 TTON11 00000006 09093520 Total number of	pages including cover sheet, attach	hments, and document	
581 40.00 OP			
201	4		
	4		
		DATENIT	

## ASSIGNMENT

WHEREAS, We Kenneth A. Ruth of Warrenton, Missouri and Philip R. Schmidt of St. Charles, Missouri, have invented an improvement in COLLECTOR FOR AN AUTOMATED ON-LINE BATH ANALYSIS SYSTEM (File MEMC 97-1150) and have executed an application for a United States patent based thereon Serial No. 09/093,520, filed June 8, 1998;

AND, WHEREAS, MEMC Electronic Materials, Inc. of St. Peters, Missouri, a corporation of the State of Delaware (hereinafter referred to as "ASSIGNEE") is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States application or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

1

PATENT REEL: 9345 FRAME: 0894 TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made;

AND We hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

AND We hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

and we hereby jointly and severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, we have hereunto set our hands.

Kenneth A. Ruth

Philip	R. Schmidt
ACKNOWLED	GEMENT
STATE OF MISSULE	
COUNTY OF ST. CHARLES	
to be the person described in	July , 1998, before me, a eared Kenneth A. Ruth to me known and who executed the foregoing hat he executed same as his free
IN TESTIMONY WHEREOF, seal the date and year last a	I have hereunto set my hand and bove written.
a	ent nikoos
Notary	Public ANN M. ROOS
My Commission Expires:	
7/1/2000	ANN M. ROOS Notary Public - Notary Seal
STATE OF Missouri ) COUNTY OF St. Charles	STATE OF MISSOURI St. Charles County ly Commission Expires: July 1, 2000
known to be the person descri	July , 1998, before me, ppeared Philip R. Schmidt to me bed, in and who executed, the owledged that he executed same as
IN TESTIMONY WHEREOF,	I have hereunto set my hand and
seal and the date and year la	
Notary	Public ANN M. ROOS
My Commission Expires:	
7/1/2000	ANN M. ROOS Notary Public - Notary Seal STATE OF MISSOURI St. Charles County
3	My Commission Expines: Willy T, 2000
ORDED: 07/27/1998	REEL: 9345 FRAME: 0896