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CONV	YEYING PARTY(IES): (Last nar			VING PARTY:	
CD AI		Execution Date	Name:	Semitool, In	
	AM, Lyndon W.	October 12, 1999	Address		eserve Drive
	OR, Thomas C.	October 18, 1999	City:	Kalispell	
	OORF, Thomas L.	October 12, 1999	State:	Montana	
	BERG, FREDICK A.	October 4, 1999	Zip Cod	e: 59901	
CARP	ENTER, Bradley C.	November 15, 1999			
			Mark if	additional names of re	eceiving parties attached
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	• 09/387,084 filed August 31, 19)99			
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	180 North Stetson Avenue, Sui	te 4700			
	Chicago, Illinois 60601		≅		hereby authorized to charge
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STAT	EMENT AND SIGNATURE				
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Lawit	Name of Person Signing	- untere	Signatur	e e	December 13, 1999 Date
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ASSIGNMENT

Serial No.: 09/387.084

Filing Date: August 31, 1999

Whereas, we, the undersigned Inventors, have invented certain new and useful improvements in:

METHODS AND APPARATUS FOR CONTROLLING AND/OR MEASURING ADDITIVE CONCENTRATION IN AN ELECTROPLATING BATH

(Hereinafter referred to as "Inventions") for which we are making application for Letters Patent in the United States of America:

And, whereas we desire to assign a 100% undivided interest in said Inventions, said application disclosing the Inventions and any Letters Petent which may be granted therefor to Semitool. Inc. and whereas Semitool, Inc. is desirous of acquiring the entire right, title and interest in the same;

Now, for good and valuable consideration, the receipt whereof is hereby acknowledged;

Executed this 12th day of October in the year 1999.

We hereby assign, sell and transfer the entire right, title and interest in said Inventions, said application, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign cherero, which may be granted for said Inventions, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto Seminool, Inc.:

Semitool, Inc. is hereby authorized to apply for patents relating to the Inventions in its own name in countries where such procedure is proper; to claim the benefit of the International Convention; to file and prosecute international applications relating to the Inventions under the Patent Cooperation Treaty; and to file and prosecute applications to the Inventions under the European Patent Convention; and I agree to execute applications relating to the Inventions in those countries and under those conventions where it is necessary that the same be executed by the inventors;

We hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Letters Patent to Semitool. Inc., as assignee of the whole right, title and interest thereto;

We further agree to execute all necessary and lawful future documents, including assignments in favor of Semitool. Inc. or its designees as Semitool, Inc. or its assignees may from time-to-time present to us in order to perfect titls in said invention, applications and Letters Patent of the United States and countries foreign thereto;

We further agree to sign and properly execute such necessary and lowful papers for application for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as Semitool, Inc. thereof shall bereafter require and prepare at its own expense.

At Kalispell, Montana		
		Lyndon Worsham
61011 - C \ /	•	Inventor
State of Montana	ڕ	
•) SS	
County of Flathead)	

Before me personally appeared Lyndon W. Graham, who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same this 1210 day of 010000, in the year 1999.

Notary Public for the State of Montana
Residing at Kalegell Minta

My Commission Expires on BM

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PATENT [†]REEL: 010500 FRAME: 0037

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Page 3 of 3

Executed this 4th day of October in the year 1999	
At KOJISOEII Montana (City) (State)	
(City) (State)	list a of illing
	Fredrick A. Lindhers
	Inventor
State of Montana)	•
County of Flathead 355	
Elefore me personally appeared Fredrick A. Lindberg, who acknowledge the same this with day of Co.	edged the foregoing instrument to be a free act and deed and also represented DOCK, in the year 1999.
	Circle L Basnett
	Notary Public for the State of Montana
SEAL	Residing at Kalupell Montana
	My Commission Expires on 18 May 2002
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15th N. I.	
Executed this 13 day of November in the year 1999	
At AusTh Texas (City) (State)	4
(City) (State)	Bully (10 T)
	Bradley C. Carpenter
	Inventor
State of Texas)	
County of / rayis	
Before me personally appeared Bradley C. Carpenter, who acknowle	edged the foregoing instrument to be a free act and deed and also represented
hat he is authorized to execute the same this 152 day of 1221	in the year 1999.
Energy reservatives reservatives in	Lotat Carow, f.
ROBERT CARAVEO, JR.	Notary Public for the State of Texas
Notery Public STATE OF TEXAS	Residing an 912 Bestrap Hwy Austia, TX
My Comm, Exp. June 2, 2002	My Commission Expires on June 2, 2007

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Winners and the Second		
Executed this day of	in the year 1999	
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		Thomas C. Taylor
		Inventor
	_	
State of)	
County of) \$5	
Could of	J	
Before me personally appeared Thor	nes C. Tevior, who seknowleds	ged the foregoing instrument to be a free act and deed and also represented that
he is authorized to execute the same	this day of	, in the year 1999.
1		
		Notary Public for the State of
		~
SEAL		Residing at
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		My Commission Expires on
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Excepted this 1274 day of 0	41	
Executed this day of	in the year 1999	
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(City) (State)		
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	· · · · · ·	Telonas Z K. Tzlof
		Thomas L. Ritzdorf
		Inventor
State of Montana)	
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** O Warran		Cindy L. Barnett
		Notary Public for the State of Montana
		Residing of Kallagell Montana.
SEAL		Residing at KULIBPELL //////////
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ととです。		My Commission Expires on 18 May 2000
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ASSIGNMENT

Serial No.: 09/387,084 Filing Date: August 31, 1999

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(Hereinafter referred to as "Inventions") for which we are making application for Letters Patent in the United States of America;

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Now, for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer the entire right, title and interest in said Inventions, said application, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Inventions, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto Semitool, Inc.;

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We further agree to sign and properly execute such necessary and lawful papers for application for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as Semitool, Inc. thereof shall hereafter require and prepare at its own expense.

Executed this	day of	in the year 1999.	
At Kalispell, Montana			
			Lyndon W. Graham Inventor
State of Montana)) ss		
County of Flathead)		
Before me personally a that he is authorized to	appeared Lyndon W. Gra execute the same this _	aham, who acknowled	dged the foregoing instrument to be a free act and deed and also represented, in the year 1999.
			Notary Public for the State of Montana
SEAL			Residing at
			My Commission Expires on

P99-0021 Page 2 of 3	
Executed this 18th day of Oct. in the year 1999	
At Wilsonville, Ovegon (State)	Lann
	Thomas C. Taylor Inventor
State of Ovegon County of Claukanas ss	
Before me personally appeared Thomas C. Taylor, who acknowledge he is authorized to execute the same this	ged the foregoing instrument to be a free act and deed and also represented that, in the year 1999.
SEAL SUZIE W DAVIDSON NOTARY PUBLIC-OREGON COMMISSION NO. 325968 MY COMMISSION EXPIRES AUG 5, 2003	Notary Public for the State of Ovegon Residing at 8231 SW Wilsonville My Commission Expires on 8-5-63
	* * * *
Executed this day of in the year 1999	
At, Montana (City) (State)	
	Thomas L. Ritzdorf Inventor
State of Montana)) ss	
County of)	
Before me personally appeared Thomas L. Ritzdorf, who acknowled that he is authorized to execute the same this day of	dged the foregoing instrument to be a free act and deed and also represented, in the year 1999.
	Notary Public for the State of Montana
SEAL	Residing at
	My Commission Expires on

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Executed this day of in the year 1999	
At, Montana (City) (State)	
	Fredrick A. Lindberg Inventor
State of Montana)) ss County of)	
	ledged the foregoing instrument to be a free act and deed and also represented, in the year 1999.
	Notary Public for the State of Montana
SEAL	Residing at My Commission Expires on
Executed this day of in the year 1999	* * * *
At, Texas (State)	
	Bradley C. Carpenter Inventor
State of Texas)) ss County of)	
Before me personally appeared Bradley C. Carpenter, who acknow that he is authorized to execute the same this day of	vledged the foregoing instrument to be a free act and deed and also represented, in the year 1999.
	Notary Public for the State of Texas
SEAL	Residing at
