FORM PTO-1619A

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Name (line 2)					
Second Party			Execution Date Month Day Yea		
	liskan, Vahe		04 24 2000		
Name (line 2)			196587		
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ONB 0031-0021	PATENI				
Correspondent Name and Address	Area Code and Telephone Number 781-659-2288				
Name Daly, Crowley & Mofford,	LLP				
Address (line 1) P.O. Box 5057					
Address (line 2) Norwell MA 02061-2516					
Address (line 3)					
Address (line 4)					
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Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00					
Method of Payment: Enclo Deposit Account	sed X Deposit Account				
(Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 500845					
A	uthorization to charge additional fees: Yes X No				
Statement and Signature					
To the heat of my linewinder and hel	lief the foregoing information is true and sorrest and any				
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. Charges to deposit account are authorized, as					
indicated herein.	/ / / deposit account are authorized, as				
	(helicher) le 26 m				
Christopher S. Daly	Signature Date				
Name of Person Signing	Signature Date				

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ASSIGNMENT

Whereas we, the under	signed, David J. Perreault and Vahe Calis	skan, hereby have made			
certain inventions or discoveri	es (or both) set forth in an application for	Letters Patent of the			
United States of America entitled, DUAL OUTPUT ALTERNATOR SYSTEM, identified as					
Attorney Docket No. MIT-066DUS, which application was executed by us on <u>04/21/2000</u> ,					
04/24/2000 , filed on	assigned Application No	In the event			
that the execution date, filing date and/or Application No. are not entered above at the time I					
execute this document, and if such information is deemed necessary, I hereby authorize and					
request my attorneys at Daly,	Crowley & Mofford, LLP, P.O. Box 5057	', Norwell, MA 02061-			
2516, to insert above the execution date, filing date and/or Application No. of said application.					

Whereas, Massachusetts Institute of Technology, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

- 1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
- 2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

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- 4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
- 5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

State of Commonwealth of Massachuse

County MICHOLEX

Dated: 400

David J. Perregult

On this A day of _______, 2000, before me appeared David J. Perreault to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Notary Public

[seal]

PATENT REEL: 010749 FRAME: 0582 State of Commonwealth of Mass

County Type Occup

Dated: Caprif 24,00 Vahe Caliskan

On this 34 day of Open , 2000, before me appeared Vahe Caliskan, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Notary Public

[seal]

JUDITH K. SHEYTANIAN NOTARY PUBLIC MY COMMISSION EXPIRES MAY 12, 2006

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RECORDED: 04/26/2000

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