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Party(ies) receiving an interest: Name: <u>California Institute</u> of Technology Internal Address: Office of Patents and Licensing Street Address: 1201 East California Boulevard

MEADE, Thomas J. KAYYEM, Jon Faiz

interest:

FRASER, Scott E.

City: Pasadena

State: <u>CA</u> Zip: <u>91125</u>

3. Description of the interest conveyed:

[X] Assignment [] Security Agreement [] Change of Name [] Merger

Other _

4. Application number(s) or patent number(s).

Additional sheet attached?

[] Yes

If this document is being filed together with a new application, the execution date of the application is:

Date

A. Patent Application No.(s)

08/166,036

B. Patent No.(s)

Ua/454 498

5. Name and address of party to whom correspondence concerning

document should be mailed:

6. Number of applications and patents involved:

one (1)

authorized to be charged:

7. Amount of fee enclosed or

Name: Richard F. Trecartin, Esq.

Internal Address:

FLEHR, HOHBACH, TEST,

ALBRITTON & HERBERT

\$40.00

Street Address:

Four Embarcadero Center, Suite 3400

City: San Francisco

State: CA

__ Zip: _ 94111 8. Deposit account number (attach duplicate copy of this form if paying by deposit account):

06-1300 (Order No. A-58762/RFT/RMS)

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10. I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct. Executed on:

> February 7, 1994 Date

Richard F. Trecartin

Name of Person Signing

12/91

PASSIGN.CVR

ASSIGNMENT

(NOT ACCOMPANYING APPLICATION)

WHEREAS, the undersigned,	
(1) Thomas J. Meade	(2) Jon Faiz Kayyem,
(3) Scott E. Fraser	(4)
(hereinafter termed "Inventors"), resid	dents of
(1) Altadena	(2) Pasadena
(3) Newport Beach	(4),
respectively, Counties of	
(1) Los Angeles	(2) Los Angeles
(3) Orange	(4)
respectively, States of	
(1) California	(2) California ,
(3) California ,	(4)
respectively, have invented certain new	w and useful improvements in CTRON TRANSFER
	a United States patent disclosing and day of, 19; and having of, December 10, 1993; and
WHEREAS,California Insti	tute of Technology
a corporation of the State ofCali	fornia , having a place of business at dena , State of <u>California</u> ,
(hereinafter termed "Assignee"), is desi	rous of acquiring the entire right, title
and interest in and to said application	and the invention disclosed therein, and
in and to all embodiments of the in	vention, heretofore conceived, made or
discovered jointly or severally by said	Inventors (all collectively hereinafter
termed "said invention"), and in an	d to any and all patents, inventor's
certificates and other forms of protecti	on (hereinafter termed "patents") thereon
granted in the United States and foreign	gn countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or

FHTAH FORM 1.23 12/91 (JOINT TO CORPORATE)

1,

Page 1 of 4

PATENT REEL: 010442 FRAME: 0780 continuation of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

- Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.
- 4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee this

(1) 20 day of January , 19 94, (2) 26 day of January , 19 94,

(3) 24 day of January , 19 94, (4) day of _____, 19 ___, respectively.

(1) Thomas J. Meade

County of LOS ANGELES

,)) 88.

State of CALIFORNIA

on this <u>Joih</u> day of <u>JANJARY</u>, in the year <u>1977</u>, before me, <u>DIANA C REWIZ</u>, Notary Public of the State of <u>CALIFORNIA</u>, personally appeared (1) <u>THOMAS J. MEADE</u>, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Delara C Port

DIANA C. RENTZ
COMM. #959560
COMM. #959560
Shotay Public California
LOS ANGELES COUNTY
My comm. expires MAR 06,1936

Jon Faiz Kayye

County of Los Anocces

,)

State of CALIFORNIA

()

On this Doff day of JANUARY, in the year 1997, before me, Notary Public of the State of CALV-ORNIA, personally appeared (2) Jon FAIZ KAYYEM, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/ber authorized capacity(ies), and that by his/ber signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

signature Main Clery

DIANA C. RENTZ
COMM. 8059560
Notary Public-California
LQ SandELES COUNTY
My comm. expires MAR 08,1936

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	(3)
	Scott E. Fraser
County of Levelen County	,) /) 88.
State of State Maker to	.)

On this $\frac{2490}{2}$ day of $\frac{320000}{2}$, in the year $\frac{1531}{2}$, before me, Notary Public of the State of Notary Public of the State of personally appeared (3) 5007 6 1700 6 , personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature	Pun.	6.7
-		

		_
NNA!	DIANA C. RENTZ COMM. #952560 Notary Public California LOS ANGELES COUNTY COMM. EXERCE MAR 08,1636	NNA1
		-6

	(Inventor)				
County of	,)				
State of) ss. .)				

On this _____, in the year _____, before me, , Notary Public of the State of _____, personally appeared (4) _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____ (Seal)

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RECORDED: 12/06/1999