



102089093

TO THE ASSISTANT COMMISSIONER FOR

..... documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

Robert D. Rasmussen; Daniel L. Dvorak; Kim P. Gostelow; Thomas W. Starbird; Erann Gat; Steve Ankuo Chien; Robert M. Keller

Additional name(s) of conveying party(ies) attached? () Yes (X) No

5.7.02

2. Name and address of receiving party(ies):

Name: California Institute of Technology Internal Address: Mail Code 201-85 Street Address: 1200 East California Blvd. City: Pasadena State: CA ZIP: 91125

Additional name(s) of receiving party(ies) attached? () Yes (X) No

3. Nature of conveyance:

- (X) Assignment () Merger () Security Agreement () Change of Name () Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 3/29/02; 3/22/02; 3/29/02; 3/29/02; 3/22/02; 4/1/02; 3/22/02

4. Application number(s) or Patent number(s):

() Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 09/776,573 Filing Date: February 1, 2001

() Patent No.: Issue Date:

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John R. King KNOBBE, MARTENS, OLSON & BEAR, LLP Customer No. 20,995 Internal Address: Sixteenth Floor Street Address: 620 Newport Center Drive City: Newport Beach State: CA ZIP: 92660 Attorney's Docket No.: CTJPL.002A

7. Total fee (37 CFR 1.21(h)): \$40

(X) Enclosed () Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

9. Statement and signature.

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.

John R. King Name of Person Signing

Signature: John R. King

Date: 5/2/02

34,362 Registration No.

Total number of pages including cover sheet, attachments and document: 9

Mail documents to be recorded with required cover sheet information to:

05/13/2002 DBYRNE 00000184 09776573 40.00 DP 01 FC:581

U.S. Patent and Trademark Office Attn: Assignment Division Crystal Gateway-4 1215 Jefferson Davis Highway, Suite 320 Arlington, VA 22202

H:\DOCS\JRK\JRK-6379.DOC 042602

OFFICE OF PUBLIC RECORDS 2002 MAY -7 AM 7:48 FINANCE SECTION

ASSIGNMENT

WHEREAS, We, Robert D. Rasmussen, a citizen of the United States of America, residing at 343 North Encinitas Avenue, Monrovia, California 91016; Daniel L. Dvorak, a citizen of the United States of America, residing at 3837 Brittany Lane, La Crescenta, California 91214-1074; Kim P. Gostelow, a citizen of the United States of America, residing at 2424 Adair Street, San Marino, California 91108; Thomas W. Starbird, a citizen of the United States of America, residing at 3645 Newhaven Road, Pasadena, California 91107; Erann Gat; a citizen of the United States of America, residing at 652 Millard Canyon Road, Altadena, California 91001; Steve Ankuo Chien, a citizen of the United States of America, residing at 10641 Missouri Avenue #304, Los Angeles, California 90025; and Robert M. Keller, a citizen of the United States of America, residing at 421 East Juilliard Drive, Claremont, California 91711, have invented certain new and useful improvements in a AN ADAPTABLE STATE BASED CONTROL SYSTEM for which we have filed an application for Letters Patent in the United States, 09/776,573;

AND WHEREAS, California Institute of Technology (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of business at 200 East California Boulevard, Mail Code 201-85, Pasadena, California 91125, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of March, 2002.

Robert Rasmussen
Robert D. Rasmussen

STATE OF California }
COUNTY OF Los Angeles } ss.

On 3-29-02, before me, _____, personally appeared Robert D. Rasmussen, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL]

S. Cardella
Notary Signature



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of MARCH, 2002.

Daniel L Dvorak
Daniel L. Dvorak

STATE OF California }
COUNTY OF Los Angeles } ss.

On 3/22/02, before me, Carrie Urwiller, personally appeared Daniel L. Dvorak, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL]



Carrie L. Urwiller
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of March, 2002.

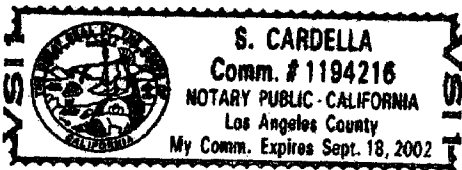
Kim P. Gostelow
Kim P. Gostelow

STATE OF California }
COUNTY OF Los Angeles } ss.

On 3/29/02, before me, Sophia Cardella, personally appeared Kim P. Gostelow, 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 to me that she executed the same in her authorized capacity, and that by 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.

[SEAL]



S. Cardella
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of March, 2002.

Thomas W. Starbird
Thomas W. Starbird

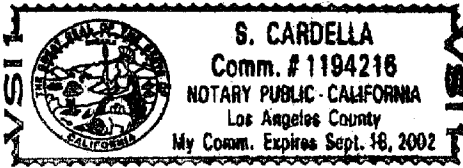
STATE OF California
COUNTY OF Los Angeles ss.

On 3/29/2002, before me, Sophia Cardella, personally appeared Thomas W. Starbird, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL]

S. Cardella
Notary Signature



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of MARCH, 2002.

Erann Gat
Erann Gat

STATE OF California
COUNTY OF Los Angeles ss.

On 3/22/02, before me, Carrie Urwiller, personally appeared Erann Gat, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL]

Carrie L. Urwiller
Notary Signature



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2002.

Steve Ankuo Chien

STATE OF

ss.

COUNTY OF

On _____, before me, _____, personally appeared Steve Ankuo Chien, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL]

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of March, 2002.

Robert M. Keller
Robert M. Keller

STATE OF California

ss.

COUNTY OF Los Angeles

On 3/22/02, before me, Carrie L Urwiller, personally appeared Robert M. Keller, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL]



Carrie L. Urwiller
Notary Signature

ASSIGNMENT

WHEREAS, We, Robert D. Rasmussen, a citizen of the United States of America, residing at 343 North Encinitas Avenue, Monrovia, California 91016; Daniel L. Dvorak, a citizen of the United States of America, residing at 3837 Brittany Lane, La Crescenta, California 91214-1074; Kim P. Gostelow, a citizen of the United States of America, residing at 2424 Adair Street, San Marino, California 91108; Thomas W. Starbird, a citizen of the United States of America, residing at 3645 Newhaven Road, Pasadena, California 91107; Erann Gat; a citizen of the United States of America, residing at 652 Millard Canyon Road, Altadena, California 91001; Steve Ankuo Chien, a citizen of the United States of America, residing at 10641 Missouri Avenue #304, Los Angeles, California 90025; and Robert M. Keller, a citizen of the United States of America, residing at 421 East Juilliard Drive, Claremont, California 91711, have invented certain new and useful improvements in a AN ADAPTABLE STATE BASED CONTROL SYSTEM for which we have filed an application for Letters Patent in the United States, 09/776,573;

AND WHEREAS, California Institute of Technology (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of business at 200 East California Boulevard, Mail Code 201-85, Pasadena, California 91125, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2002.

Robert D. Rasmussen

STATE OF _____ }
 } ss.
COUNTY OF _____ }

On _____, before me, _____, personally appeared Robert D. Rasmussen, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL] _____
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2002.

Daniel L. Dvorak

STATE OF
COUNTY OF

}
} ss.

On _____, before me, _____, personally appeared Daniel L. Dvorak, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL]

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2002.

Kim P. Gostelow

STATE OF
COUNTY OF

ss.

On _____, before me, _____, personally appeared Kim P. Gostelow, 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 to me that she executed the same in her authorized capacity, and that by 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.

[SEAL]

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2002.

Thomas W. Starbird

STATE OF

ss.

COUNTY OF

On _____, before me, _____, personally appeared Thomas W. Starbird, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL]

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2002.

Erann Gat

STATE OF

ss.

COUNTY OF

On _____, before me, _____, personally appeared Erann Gat, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL]

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1st day of April, 2002.

Steve Chien
Steve Ankuo Chien

STATE OF California
COUNTY OF Los Angeles ss.

On April, 2002, before me, Carla Bagdasaryan, personally appeared Steve Ankuo Chien, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL]



Carla Bagdasaryan
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2002.

Robert M. Keller

STATE OF _____
COUNTY OF _____ ss.

On _____, before me, _____, personally appeared Robert M. Keller, 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 to me that he executed the same in his authorized capacity, and that by his 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.

[SEAL]

Notary Signature