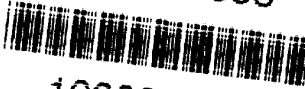


FORM PTO-1618A
Expires 06/30/99
OMB 0651-0027

U.S. Department of Commerce
Patent and Trademark Office
TRADEMARK

08-26-1998



100802311

RECORDATION FORM COVER SHEET
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TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- New
- Resubmission (Non-Recordation)
Document ID #
- Correction of PTO Error
Reel # Frame #
- Corrective Document
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Conveyance Type

- Assignment License
- Security Agreement Nunc Pro Tunc Assignment
- Merger Change of Name
Effective Date
Month Day Year
- Change of Name
- Other

Conveying Party

Mark if additional names of conveying parties attached

Name

Execution Date
Month Day Year

Formerly

- Individual General Partnership Limited Partnership Corporation Association

Other

Citizenship/State of Incorporation/Organization

Receiving Party

Mark if additional names of receiving parties attached

Name

DBA/AKATA

Composed of

Address (line 1)

Address (line 2)

Address (line 3)
City State/Country Zip Code

- Individual General Partnership Limited Partnership If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)
- Corporation Association
- Other

Citizenship/State of Incorporation/Organization

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Mail documents to be recorded with required cover sheet(s) information to:
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MRD 8-17-98

06/24/1998
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Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Correspondent Name and Address

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

#

Trademark Application Number(s) or Registration Number(s)

Mark if additional numbers attached

Enter either the Trademark Application Number or the Registration Number (DO NOT ENTER BOTH numbers for the same property).

Trademark Application Number(s)			Registration Number(s)		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="1,815,534"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Number of Properties

Enter the total number of properties involved.

#

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$

Method of Payment: Enclosed Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

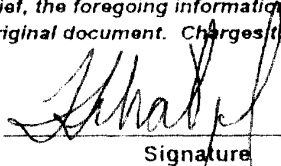
Authorization to charge additional fees: Yes No

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. Charges to deposit account are authorized, as indicated herein.

Thomas E. Schatzel

Name of Person Signing



Signature

Aug. 14, 1998

Date Signed

A422831



State
of
California

OFFICE OF THE SECRETARY OF STATE

CORPORATION DIVISION

I, *MARCH FONG EU*, Secretary of State of the State of California, hereby certify:

That the annexed transcript has been compared with the corporate record on file in this office, of which it purports to be a copy, and that same is full, true and correct.

IN WITNESS WHEREOF, I execute
this certificate and affix the Great
Seal of the State of California this

SEP 15 1922



March Fong Eu

Secretary of State

A422831

ENDORSED
FILED
In the Office of the Secretary of State
of the State of California

AMENDED AND RESTATED
ARTICLES OF INCORPORATION
OF
ELECTRONIC SPEECH SYSTEMS, INC.

SEP 14 1963

MARCH 5 1963, Secretary of State

Shiu Laung Chan and Forrest Mozer certify that:

1. They are the President and the Secretary, respectively, of Electronic Speech Systems, Inc., a California corporation.

2. The articles of incorporation of this corporation are amended and restated to read as follows:

I

The name of this corporation is ESS TECHNOLOGY, INC.

II

The purpose of this corporation is to engage in any lawful act or activity for which a corporation may be organized under the General Corporation Law of California other than the banking business, the trust company business, or the practice of a profession permitted to be incorporated by the California Corporations Code.

III

This corporation is authorized to issue only one class of shares of stock, which shall be designated "common" shares. The total number of common shares which this corporation is authorized to issue is 10,000,000.

IV

Section 4.1. Limitation of Directors' Liability. The liability of the directors of the corporation for monetary damages shall be eliminated to the fullest extent permissible under California law.

Section 4.2. Indemnification of Corporate Agents.
The corporation is authorized to provide indemnification of agents (as defined in Section 317 of the Corporations Code) through bylaw provisions, agreements with agents, vote of shareholders or disinterested directors or otherwise, in excess of the indemnification otherwise permitted by Section 317 of the California Corporations Code, subject only to the applicable limits set forth in Section 204 of the California Corporations Code with respect to actions for breach of duty to the corporation and its shareholders.

Section 4.3. Repeal or Modification. No repeal or modification of Sections 4.1 or 4.2 shall adversely affect any right of indemnification or limitation of liability of an agent of the corporation relating to acts or omissions that occur before such repeal or modification.

3. The foregoing amendment and restatement of Articles of Incorporation has been duly approved by the Board of Directors.

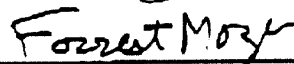
4. The foregoing amendment and restatement of Articles of Incorporation has been duly approved by the required vote of shareholders in accordance with Section 902 of the Corporations Code. The total number of outstanding shares of the corporation is 5,701,090. The number of shares voting in favor of the amendment equaled or exceeded the vote required. The percentage vote required was more than 50%.

We further declare under penalty of perjury under the laws of the State of California that the matters set forth in this certificate are true and correct of our own knowledge.

DATED: September 9, 1992



Shiu Leung Chan, President



Forrest Mozar, Secretary