

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REQUEST FOR ACCESS TO AN ABANDONED APPLICATION UNDER 37 CFR 1.14

Bring completed form to:
 File Information Unit, Suite 3A20
 2800 South Randolph Street
 Arlington, VA 22206
 Telephone: (703) 756-1800

In re Application of

Rao Et Al.

Application Number

08/764 903

Filed

Dec 16, 1996

Paper No.

#9

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is not within the file jacket of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) and which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. _____, page, _____ line _____
 United States Patent Number 6169789, column _____, line, _____
 WIPO Pub. No. _____, page _____, line _____

Related Information About Access to Applications Maintained in the Image File Wrapper System (IFW) and Access to Pending Applications in General

A member of the public, acting without a power to inspect, cannot order applications maintained in the IFW system through the FIU. If the member of the public is entitled to a copy of the application file, then the file is made available through the Public Patent Application Information Retrieval system (Public PAIR) on the USPTO internet web site (www.uspto.gov). Terminals that allow access to Public PAIR are available in the Public Search Room. The member of the public may also be entitled to obtain a copy of all or part of the application file upon payment of the appropriate fee. Such copies must be purchased through the Office of Public Records upon payment of the appropriate fee (37 CFR 1.19(b)).

For published applications that are still pending, a member of the public may obtain a copy of:
 the file contents; the pending application as originally filed; or any document in the file of the pending application.

For unpublished applications that are still pending:

- (1) If the benefit of the pending application is claimed under 35 U.S.C. 119(e), 120, 121, or 365 in another application that has: (a) issued as a U.S. patent, or (b) published as a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of: the file contents; the pending application as originally filed; or any document in the file of the pending application.
- (2) If the application is incorporated by reference or otherwise identified in a U.S. patent, a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of the pending application as originally filed.

 Signature
 Larry G. Hecker
 Typed of printed name

 Date
 11/04/15

 Registration Number, if applicable
 703-379-2350
 Telephone Number

FOR PTO USE ONLY

Approved by: DECORVE
 (initials)

Unit: NOV 04 2015

BY: FD/LL

This collection of information is required by 37 CFR 1.11 and 1.14. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. BRING TO: File Information Unit, Suite 3A20, 2800 South Randolph Street, Arlington, Virginia.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



US006169789B1

(12) **United States Patent**
Rao et al.

(10) Patent No.: **US 6,169,789 B1**
(45) Date of Patent: **Jan. 2, 2001**

(54) **INTELLIGENT KEYBOARD SYSTEM**

(76) Inventors **Sanjay K. Rao; Sunil K. Rao; Raman K. Rao**, all of 3087 Alexis Dr., Palo Alto, CA (US) 94301

(*) Notice: Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

(21) Appl. No.: 09/281,739

(22) Filed **Jun. 4, 1999**

Related U.S. Application Data

(63) Continuation-in-part of application No. 08/764,903, filed on Dec. 16, 1996, now abandoned.

(51) Int. Cl.⁷ **H04M 11/00**

(52) U.S. Cl. **379/110.01; 379/90.01**

(58) Field of Search **379/110.01, 90.01, 379/93.05, 53.37, 100.01, 102.02, 102.03, 419, 420, 428, 429, 441, FOR 132**

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,465,401 * 11/1995 Thompson 379/420
- 4,675,653 * 6/1987 Priestley 379/110.01
- 5,195,130 * 3/1993 Weiss et al. 379/110.01
- 5,577,118 * 11/1996 Sasaki et al. 379/428

FOREIGN PATENT DOCUMENTS

WO9203884 * 3/1992 (WO) 379/FOR 132

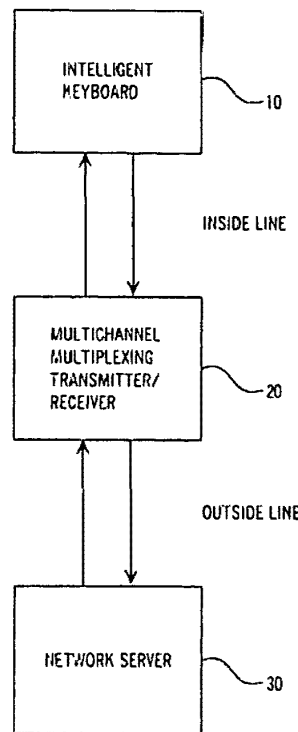
* cited by examiner

Primary Examiner—Wing F. Chan
(74) *Attorney, Agent, or Firm*—Trial & Technology Law Group

(57) **ABSTRACT**

This invention generally relates to a system level scheme utilizing an intelligent keyboard, hereafter called an Intellikeyboard, which can operate as a universal compute, command, and control module that interfaces either through wired or wireless means with a number of intelligent appliances, personal computers, work-stations, servers, televisions, printers, smart devices, intelligent devices, telephones, or other devices. The Intellikeyboard has the ability to transmit and receive voice, text, graphics, and other data through either wired or wireless means. The Intellikeyboard may work in tandem with a local or network server to perform standard computing functions, serve as a command and control unit, perform standard telephony functions, transmit and receive electronic mail, voice mail, video, and audio. The invention also anticipates the need for multichannel and sequential/simultaneous tasking and interface with numerous intelligent appliances and devices.

1 Claim, 12 Drawing Sheets



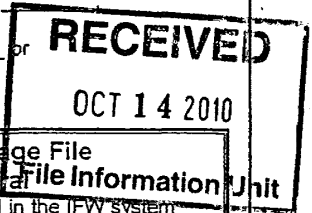
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REQUEST FOR ACCESS TO AN ABANDONED APPLICATION UNDER 37 CFR 1.14

Bring completed form to: File Information Unit, Room 2E04 2900 Crystal Drive Arlington, VA 22202-3514 Telephone: (703) 308-2733	In re Application of <u>Rao</u>	
	Application Number <u>091764,903</u>	Filed <u>12, 16, 96</u>
		Paper No. <u>8</u>

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is not within the file jacket of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) and which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. _____, page, _____ line
 or
 United States Patent Number 6169789, column _____, line, _____
 or
 WIPO Pub. No. _____, page _____, line _____



Related Information About Access to Applications Maintained in the Image File Wrapper System (IFW) and Access to Pending Applications in General

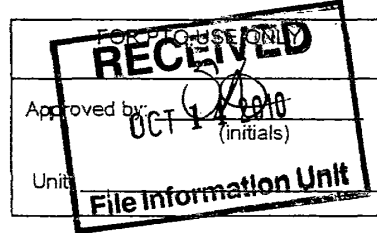
A member of the public, acting without a power to inspect, cannot order applications maintained in the IFW system through the FIU. If the member of the public is entitled to a copy of the application file, then the file is made available through the Public Patent Application Information Retrieval system (Public FAIR) on the USPTO internet web site (www.uspto.gov). Terminals that allow access to Public FAIR are available in the Public Search Room. The member of the public may also be entitled to obtain a copy of all or part of the application file upon payment of the appropriate fee. Such copies must be purchased through the Office of Public Records upon payment of the appropriate fee (37 CFR 1.19(b)).

For published applications that are still pending, a member of the public may obtain a copy of:
 the file contents; the pending application as originally filed; or any document in the file of the pending application.

For unpublished applications that are still pending:

- If the benefit of the pending application is claimed under 35 U.S.C. 119(e), 120, 121, or 365 in another application that has: (a) issued as a U.S. patent, or (b) published as a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of: the file contents; the pending application as originally filed; or any document in the file of the pending application.
- If the application is incorporated by reference or otherwise identified in a J.S. patent, a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of the pending application as originally filed.

<u>Doreen Watson</u>	<u>10-14-10</u>
Signature	Date
<u>Doree Watson</u>	
Typed or printed name	
Registration Number, if applicable	
<u>(303) 794431</u>	
Telephone Number	



This collection of information is required by 37 CFR 1.11 and 1.14. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. BRING TO: File Information Unit, Room 2E04, 2900 Crystal Drive, Arlington, Virginia.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



US006169789B1

8

(12) **United States Patent**
Rao et al.

(10) **Patent No.:** US 6,169,789 B1
(45) **Date of Patent:** Jan. 2, 2001

(54) **INTELLIGENT KEYBOARD SYSTEM**

FOREIGN PATENT DOCUMENTS

(76) Inventors: Sanjay K. Rao; Sunil K. Rao; Raman K. Rao, all of 3087 Alexis Dr., Palo Alto, CA (US) 94301

WO92/03884 * 3/1992 (WO) 379/FOR 132

* cited by examiner

(*) Notice: Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

Primary Examiner—Wing F. Chan
(74) Attorney, Agent, or Firm—Trial & Technology Law Group

(21) Appl. No.: 09/281,739

(57) **ABSTRACT**

(22) Filed: Jun. 4, 1999

This invention generally relates to a system level scheme utilizing an intelligent keyboard, hereafter called an Intellikeyboard, which can operate as a universal compute, command, and control module that interfaces either through wired or wireless means with a number of intelligent appliances, personal computers, work-stations, servers, televisions, printers, smart devices, intelligent devices, telephones, or other devices. The Intellikeyboard has the ability to transmit and receive voice, text, graphics, and other data through either wired or wireless means. The Intellikeyboard may work in tandem with a local or network server to perform standard computing functions, serve as a command and control unit, perform standard telephony functions, transmit and receive electronic mail, voice mail, video, and audio. The inventor also anticipates the need for multichannel and sequential/simultaneous tasking and interface with numerous intelligent appliances and devices.

Related U.S. Application Data

(63) Continuation-in-part of application No. 08/764,963, filed on Dec. 16, 1996, now abandoned.

(51) Int. Cl. H04M 11/00

(52) U.S. Cl. 379/110.01; 379/90.01

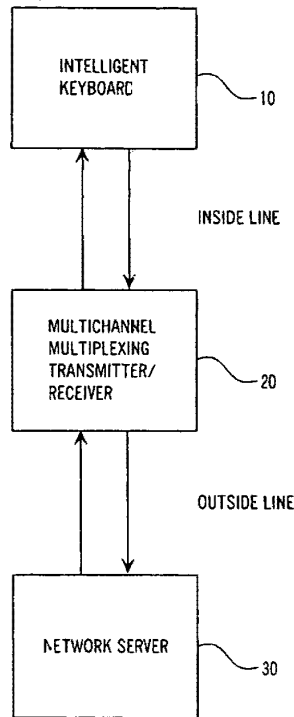
(58) Field of Search 379/110.01, 90.01, 379/93.05, 93.37, 100.01, 102.02, 102.03, 419, 420, 428, 429, 441, FOR 132

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,465,401 * 11/1995 Thompson 379/420
4,675,653 * 6/1987 Priestley 379/110.01
5,195,130 * 3/1993 Weiss et al. 379/110.01
5,577,118 * 11/1996 Sasaki et al. 379/428

1 Claim, 12 Drawing Sheets



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REQUEST FOR ACCESS TO AN ABANDONED APPLICATION UNDER 37 CFR 1.14

Bring completed form to: File Information Unit, Suite 3A20 2800 South Randolph Street Arlington, VA 22206 Telephone: (703) 756-1800 File Information Unit	In re Application of Rao et al.	
	Application Number 08/764,903	Filed 12-16-96
	Paper No. #7	

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is not within the file jacket of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) and which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. _____, page, _____ line _____
 United States Patent Number **6169789**, column _____, line, _____
 WIPO Pub. No. _____, page _____, line _____

Related Information About Access to Applications Maintained in the Image File Wrapper System (IFW) and Access to Pending Applications in General

A member of the public, acting without a power to inspect, cannot order applications maintained in the IFW system through the FIU. If the member of the public is entitled to a copy of the application file, then the file is made available through the Public Patent Application Information Retrieval system (Public PAIR) on the USPTO internet web site (www.uspto.gov). Terminals that allow access to Public PAIR are available in the Public Search Room. The member of the public may also be entitled to obtain a copy of all or part of the application file upon payment of the appropriate fee. Such copies must be purchased through the Office of Public Records upon payment of the appropriate fee (37 CFR 1.19(b)).

For published applications that are still pending, a member of the public may obtain a copy of:
 the file contents; the pending application as originally filed; or any document in the file of the pending application.

For unpublished applications that are still pending:

- (1) If the benefit of the pending application is claimed under 35 U.S.C. 119(e), 120, 121, or 365 in another application that has: (a) issued as a U.S. patent, or (b) published as a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of: the file contents; the pending application as originally filed; or any document in the file of the pending application.
- (2) If the application is incorporated by reference or otherwise identified in a U.S. patent, a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of the pending application as originally filed.

 Signature
Frank Vu
 Typed of printed name

 Registration Number, if applicable

 Telephone Number

 Date
7-28-10

RECEIVED FOR PTO USE ONLY

Approved by: **[Signature]**
JUL 28 2010 (Initials)
 Unit:
File Information Unit

This collection of information is required by 37 CFR 1.11 and 1.14. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. BRING TO: File Information Unit, Suite 3A20, 2800 South Randolph Street, Arlington, Virginia.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.