Under ti	ne Paperwork Reduction Act of 19	995, no persons are required	U.S. Patent at to respond to a collection of	Id Trademark Office: U.S. DEP/	7/31/2012. OMB 065 ARTMENT CF COMM a valid OMB control no
REQU	EST FOR ACCESS	TO AN ABANDO	NED APPLICA	TCN UNDER 37 CI	FR 1.14
Bring completed form t File Information Unit 2800 South Randolp Arlington, VA 22206 Telephone: (703) 75	, Suite 3A20 h Street	In re Application R a o Application Nur O 8 76	n of E. AI. Mer 4 903	Filed Dec. 16	1996
application, which i which is identified i	cess under 37 CFR 1.14 is not within the file jack in, or to which a benefit s Patent Application Public	et of a pending Cont is claimed, in the foll	inued Prosecution A owing document (as	pplication (CPA) (37 Cl shown in the attachme	FR 1.53(d)) and
United States		69789	, column	, line,	
WIPO Pub. N	•	•	, line	······································	
Terminals that a be entitled to ob purchased throu For published a the file conte (1) if the <u>b</u> that ha applica membe (2) If the a registra	pplication. Information Re- allow access to Public PAI blain a copy of all or part o ugh the Office of Public F applications that are still p ents; the pending application applications that are still energian of the pending appli- ation publication, or an inte- er of the public may obtain ent in the file of the pend- pplication is incorporated ation, a U.S. patent applica- tion, a U.S. patent applica- tion application (a member of the 21(2), a member	R are available in the of the application file up Records upon paymer ending, a member of t on as originally filed; o <u>il pending</u> : <u>ication is claimed</u> under tent, or (b) published a emational patent applic a copy of the file cor by reference or otherwa ation publication, or an	Public Search Room. oon payment of the ap- to of the appropriate for the public may obtain r any document in the er 35 U.S.C. 119(e), 1 is a statutory invention cation publication in a intents; the pending ap- <u>vise identified</u> in a U.S. international patent	The member of the pub propriate fee. Such cop e (37 CFR 1.19(b)). a copy of: file of the pending appli 20, 121, or 365 in anothe negistration, a U.S. pate coordance with PCT Artic plication as originally file patent, a statutory inve	lic may also ies must be cation. er application ent de 21(2), a d; or any ntion accordance
	A				

÷

ž

Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

DOCKET

RM



(12) United States Patent Rao et al.

(54] INTELLIGENT KEYBOARD SYSTEM

- (76) Inventors Sanjay K. Rao; Sunil K. Rao; Raman K. Rao, all of 3087 Alexis D., 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
- - 419, 420, 428, 429, 441, FOR 132

(56) References Cited

DOCKF

U.S. PATENT DOCUMENTS

4.465,401	*	11/1995	Thompson
4,675,653	٠	6/1987	Prietley
5,195,130	٠	3/1993	Weiss et al
5.577.115	٠	11/1996	Sasaki et al

US006169789B1

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

FOREIGN PATENT DOCUMENTS

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

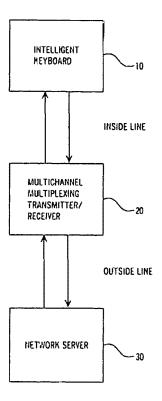
* cited by examiner

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

(57) ABSTRACT

This invention generally relates to a system Icv2I scheme utilizing an intelligent keyboare, 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, intelligen 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 compating 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 he need for multichannel and sequential/simultaneous tasking and interface with numerous intelligent applances and devices.

1 Claim, 12 Drawing Sheets



R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

Under the Paperwork Reduction Act of 1995, no	U.S. I	Patent and Trademark Office; U.S	PTO/SB/68 (04-0 hrough 9/30/2007. OMB 0651-003 DEPARTMENT OF COMMERC
REQUEST FOR ACCESS TO A			
Bring completed form to: File Information Unit, Room 2E04 2900 Crystal Drive Arlington, VA 22202-3514	In re Application of P Application Number	20 Filed	
Telephone: (703) 308-2733		· · · · · · · · · · · · · · · · · · ·	Paper No
I hereby request access under 37 CFR 1 application, which is not within the file j and which is identified in, or to which a United States Patent Application	acket of a pending Continued benefit is claimed, in the follo	l Prosecution Application wing document (as sho	on (CPA) (37 CFR 1.53(d) wwn in the attachment):
United States Patent Number	169789, column_	, line,	, RECEIVE
WIPO Put. No	, page, line		OCT 1 4 2010
application. For unpublished applications that an (1) If the benefit of the pending ap application that has: (a) issued patent application publication, on Article 21(2), a member of the originally filed; or any documer (2) If the application is incorporate registration, a U.S. patent appli	pplication Information Retrieval s that allow access to Public PA be entitled to obtain a copy of al ist be purchased through the Of <u>still pending</u> , a member of the proprication as originally filed; or a <u>re still pending</u> : <u>plication is claimed</u> under 35 U. as a U.S. patent, or (b) publish or an international patent applic public may obtain a copy of, thin t in the file of the pending appli	system (Public FAIR) on IR are available in the Pu- l or part of the application frice of Public Records un- ublic may obtain a copy on my document in the file of S.C. 119(e), 120, 121, or ed as a statutory invention ation publication in accord e file contents; the pendin cation. <u>mtified</u> in a J.S. patent, a ational patent application p	the USPTO internet blic Search Room. file upon payment of pon payment of the f. the pending 365 in another n registration, a U.S. Jance with PCT g application as statutory invention publication in
Dureen wats	ion.	16-	-14- (0
Signa DUVER WGTS		.	Date
Typed or pri	inted name	REC	ENVED
Registratior. Nurr	nber, if applicable		(initials)
(303)794431			

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

Find authenticated court documents without watermarks at docketalarm.com.



(12) United States Patent Rao et al.

(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. 08/764,303, filed on Dec. 16, 1996, now-abandoned.

- - 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
5,577,118 * 11/1996	Sasaki et al

FOREIGN PATENT EOCUMENTS

US 6.169,789 B1

Jan. 2, 2001

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

* cited by examiner

(10) Patent No.:

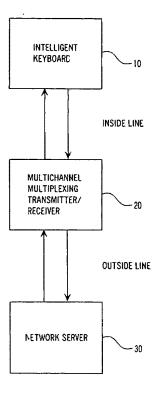
(45) Date of Patent:

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 asking and interface with numerous intelligent appliances and devices.

1 Claim, 12 Drawing Sheets



Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

	•		1	-
		U.S. Patent and	Trademark Office U	PTO/SB/68 (02-10) hrough 07/31/2012. OMB 0651-0031 .S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, nc REQUEST FOR ACCESS TO				
	In re Application of			
Bring completed form to: File Information Unit, Suite 3A20 2800 South Randolph Street CEIVED Arlington, VA 22206			et al	
Telephone: (703) 756-1800 JUL 2 8 2010	08 764	,903	12.	-16-96
File Information Unit	T	,	Paper No.	#7
I hereby request access under 37 CFR 1.14(a)(1) application, which is not within the file jacket of which is identified in, or to which a benefit is cla	(iv) to the applicatio a pending Continue	d Prosecution A	pplication (CPA)) (37 CFR 1.53(d)) and
United States Patent Application Publication		, p	age,	ine
United States Patent Number 616	9.789	column	, line,	<u> </u>
WIPO Pub. No.	, page	, line	<u> </u>	
A member of the public, acting without a power the FIU. If the member of the public is entitled Public Patent Application Information Retrieva Terminals that allow access to Public PAIR ar be entitled to obtain a copy of all or part of the purchased through the Office of Public Reco For published applications that are still pendi the file contents; the pending application a For unpublished applications that are still per (1) If the benefit of the pending application that has: (a) issued as a U.S. patent, application publication, or an internat member of the public may obtain a c document in the file of the pending application with PCT Article 21(2), a member of	to a copy of the appli I system (Public PAIF e available in the Public application file upon rds upon payment of ng, a member of the p s originally filed; or ar nding: <u>on is claimed</u> under 3 or (b) published as a ional patent application opy of: the file conter opplication.	cation file, then the cation file, then the cation file user of the ap- the appropriate fe- bublic may obtain a bublic may obtain a ty document in the 5 U.S.C. 119(e), 1 statutory invention on publication in a tis; the pending ap- <u>identified</u> in a U.S emational paten: a	e file is made ava nternet web site i The member of opropriate fee. Su e (37 CFR 1.19(i a copy of: file of the pendir 20, 121, or 365 in n registration, a L ccordance with P oplication as origin c. patent, a statute application public	ailable through the (www.uspto.gov). the public may also uch copies must be b)). Ing application. In another application J.S. patent CT Article 21(2), a nally filed; or any ory invention ation in accordance
Registration Number, if appl		Approved b	CEOR PIPU	Date Date SE ONLY Si Jant
This collection of information is required by 37 CFR 1.11 and 1.14. process) an application. Confidentiality is governed by 35 U.S.C. 1 gathering, preparing, and submitting the completed application for	22 and 37 CFR 1.11 and 1.	14. This collection is es	timated to take 12 min	nutes to complete, including

, ^

.

DOCKET

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.

DOCKET A L A R M



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.