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In re Application of

Rao Et Al.

Application Number

08/764 903

Filed

Dec 16, 1996

Paper No. *#9*

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United States Patent Application Publication No. _____, page, _____ line _____

United States Patent Number *6169789*, column _____, line, _____

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Sam J. Hester
 Signature

Larry G. Hecker
 Typed of printed name

11/04/15
 Date

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703-379-2350
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 (initials)

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BY: *FJH*

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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

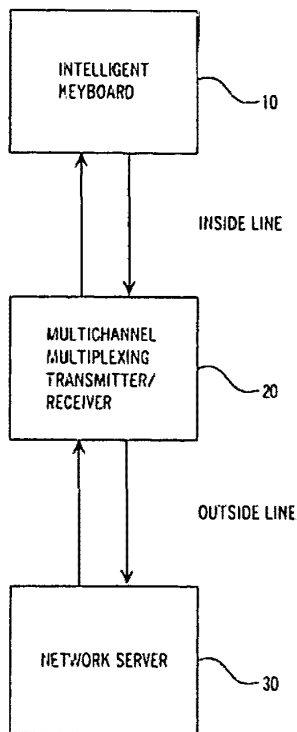
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Primary Examiner—Wing F. Chan
(74) Attorney, Agent, or Firm—Trial & Technology Law Group

(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



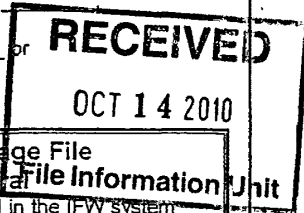
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	Application Number <u>091764,903</u>	Filed <u>12, 16, 96</u>
		Paper No. <u>8</u>

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<u>Doreen Watson</u>	<u>10-14-10</u>
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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**

(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. 08/764,963, 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

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

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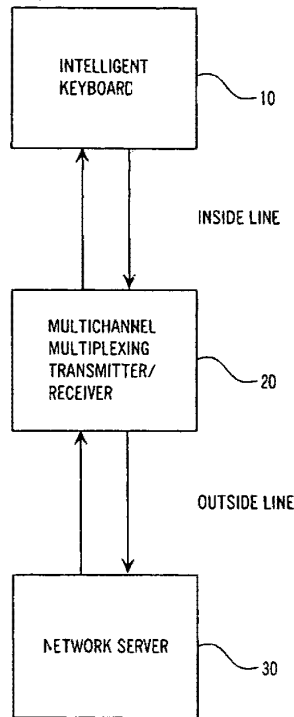
Primary Examiner—Wing F. Chan

(74) *Attorney, Agent, or Firm*—Trial & Technology Law Group

(57) **ABSTRACT**

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	Rao et al.	
	Application Number	Filed
	08/764,903	12-16-96
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