

US006169789B1

## (12) United States Patent

#### Rao et al.

#### (54) INTELLIGENT KEYBOARD SYSTEM

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- (\*) 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.<sup>7</sup> ..... H04M 11/00
- (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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DOCKE

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Jan. 2, 2001

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

\* cited by examiner

(10) Patent No.:

(45) Date of Patent:

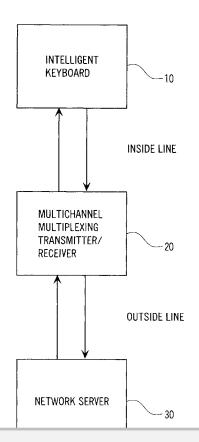
Primary Examiner—Wing F. Chan

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#### (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.

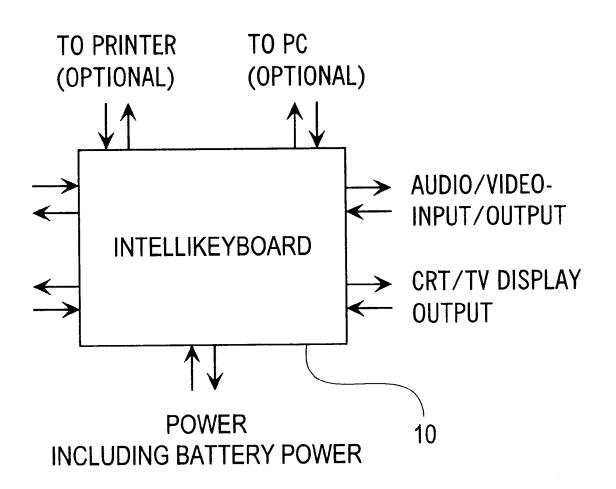
#### 1 Claim, 12 Drawing Sheets



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# FIGURE 1

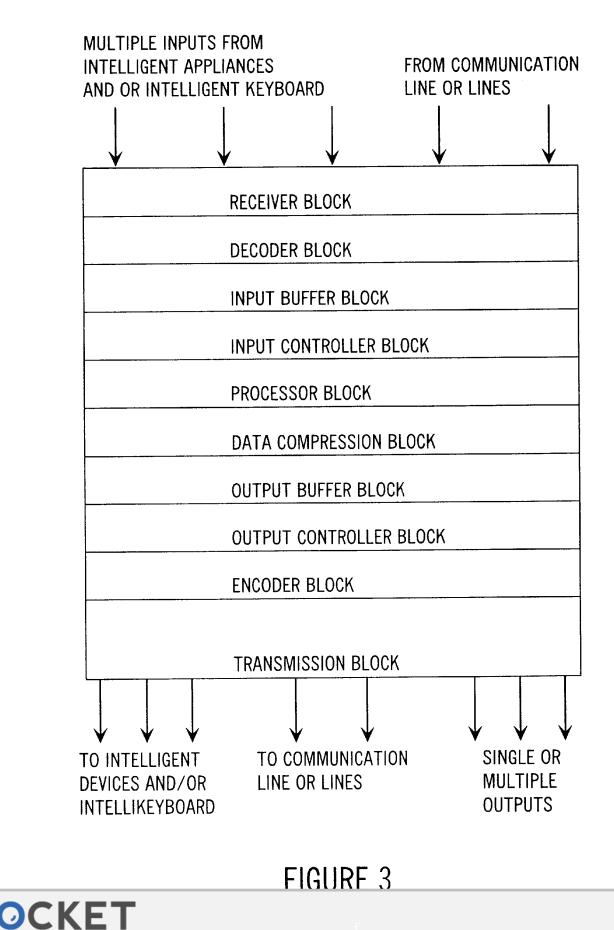
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DOCKET

## FIGURE 2

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## SENDING DATA:

CODE	INFORMATION	CODE

## **RECEIVING DATA:**

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# FIGURE 4

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