

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

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(54) **SYSTEM AND METHOD FOR PREPARING AND SENDING AN ELECTRONIC MAIL COMMUNICATION USING A WIRELESS COMMUNICATIONS DEVICE**

WO 00/59196 10/2000  
 WO WO 00/59196 \* 10/2000 ..... H04M/3/533

**OTHER PUBLICATIONS**

(75) Inventors: **Andrew P. DeJaco**, San Diego, CA (US); **Charles S. Han**, San Diego, CA (US)

Shung-Foo Yu et al. "A multimedia gateway for phone/fax and MIME mail," Computer Communications, NL, Elsevier Science Publishers BV, Amsterdam, vol. 20, No. 8, Aug. 25, 1997, pp. 615-627.

(73) Assignee: **Qualcomm Incorporated**, San Diego, CA (US)

\* cited by examiner

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(21) Appl. No.: **09/480,835**

(57) **ABSTRACT**

(22) Filed: **Jan. 10, 2000**

(51) **Int. Cl.**<sup>7</sup> ..... **H04M 3/533**; H04Q 7/22; G06F 13/38

A system and method for preparing and sending e-mail communications using a wireless communications device are disclosed. In one embodiment, input data comprising audio, image, and/or video data is encoded and transmitted to a cellular network. An integrated e-mail processor connected to the cellular network processes the coded data into a composite e-mail message and forwards the message to a server. The server then forwards the composite e-mail message to the indicated recipient(s). In another embodiment, the wireless communications device processes the coded data into a composite e-mail message and forwards it to a server via a cellular network. In either embodiment, the server may be dedicated to the cellular network. The invention thus enables users of handheld wireless communications devices, users of other devices lacking typing keyboards, or users presently unable to use a typing keyboard to prepare and send e-mail messages.

(52) **U.S. Cl.** ..... **455/414**; 709/206; 709/207; 709/217

(58) **Field of Search** ..... 455/414; 709/206, 709/217, 207

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,414,796	A	5/1995	Jacobs et al.	395/2.3
5,600,754	A	2/1997	Gardner et al.	395/2.3
5,974,449	A	* 10/1999	Chang et al.	709/206
6,185,288	B1	* 2/2001	Wong	370/352
6,256,666	B1	* 7/2001	Singhal	709/203

**FOREIGN PATENT DOCUMENTS**

WO	94/23394	10/1994
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**32 Claims, 12 Drawing Sheets**

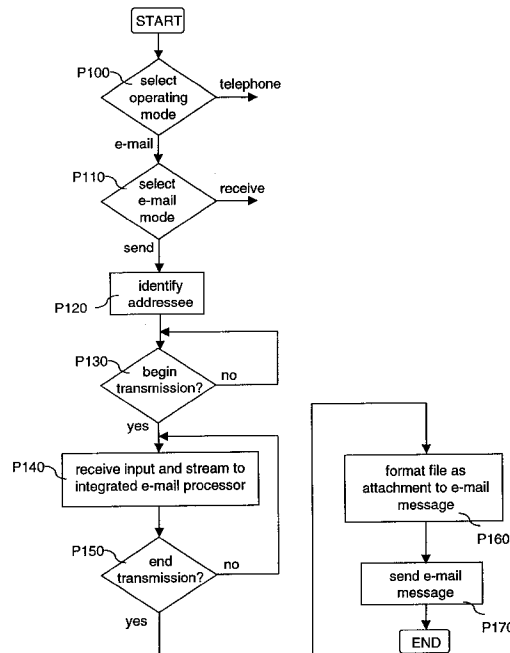


FIG. 1

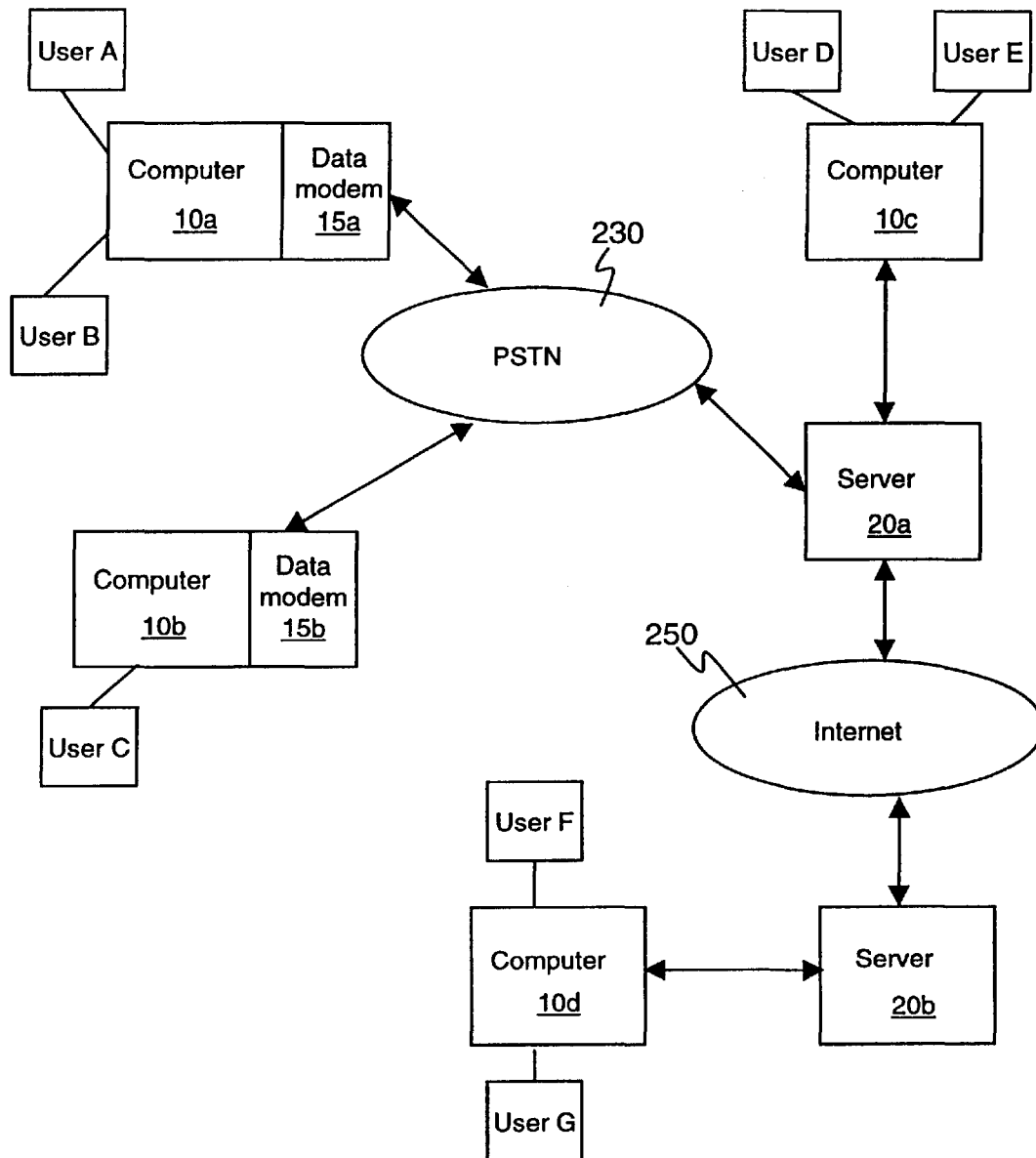


FIG. 2A

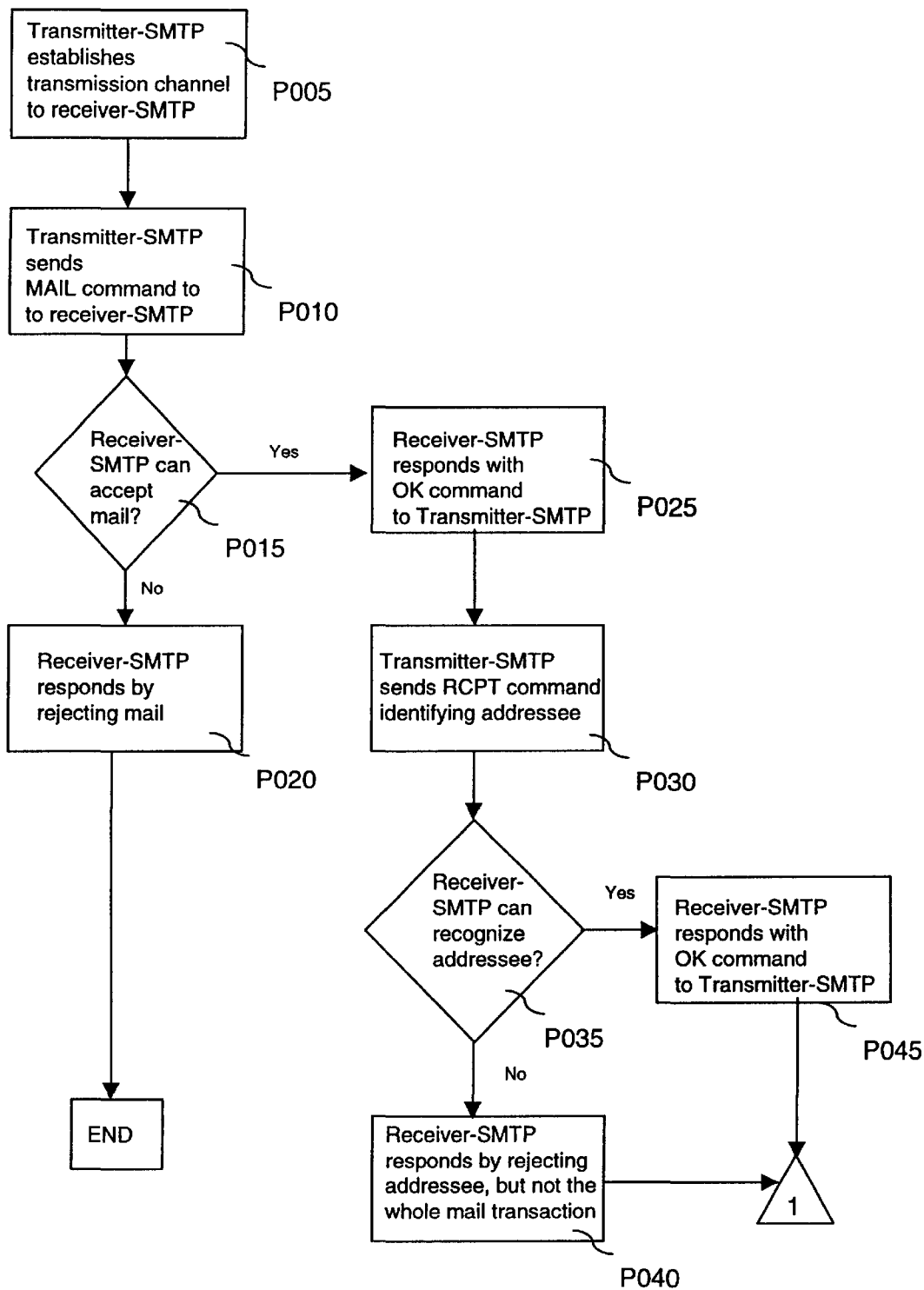


FIG. 2B

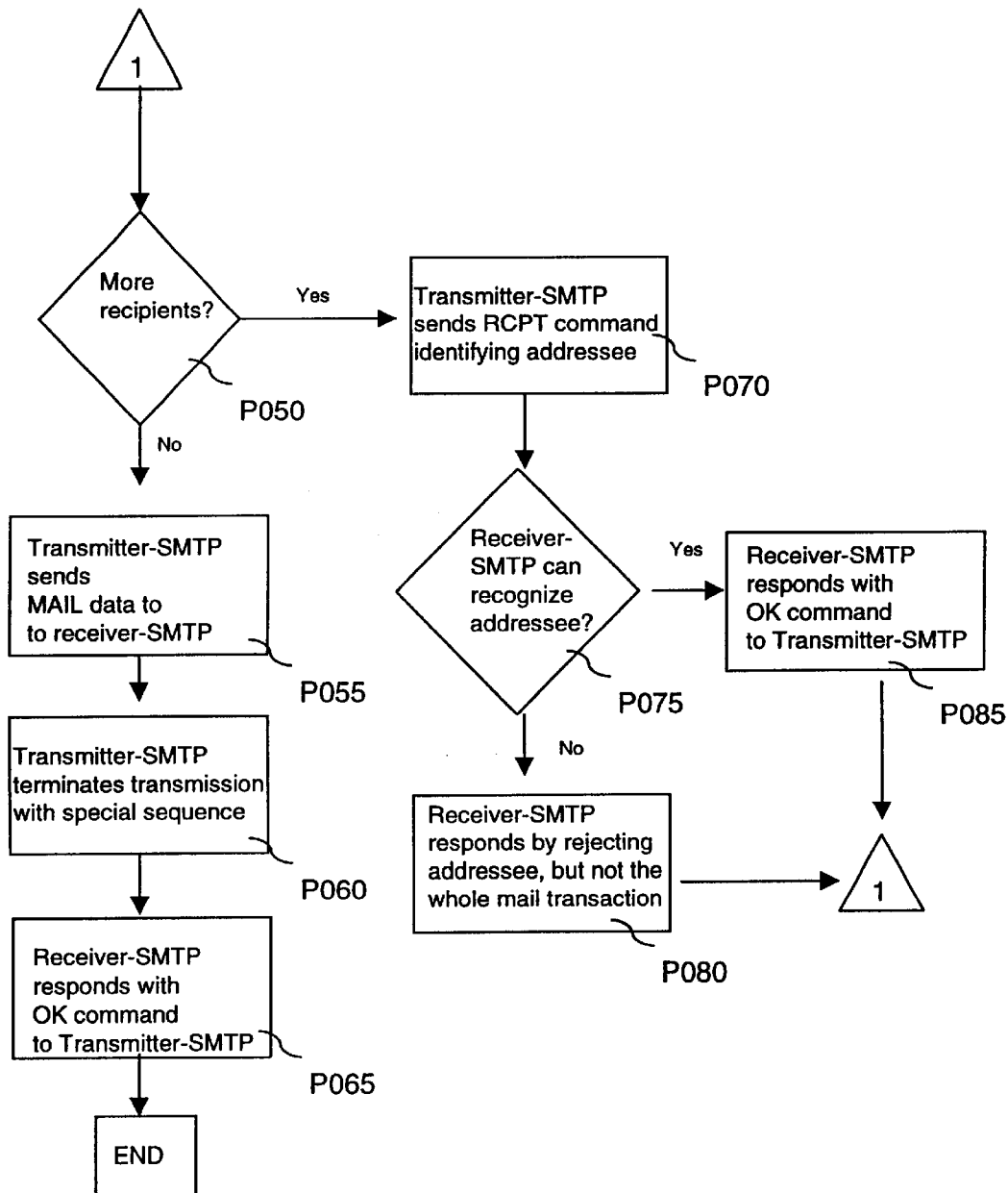
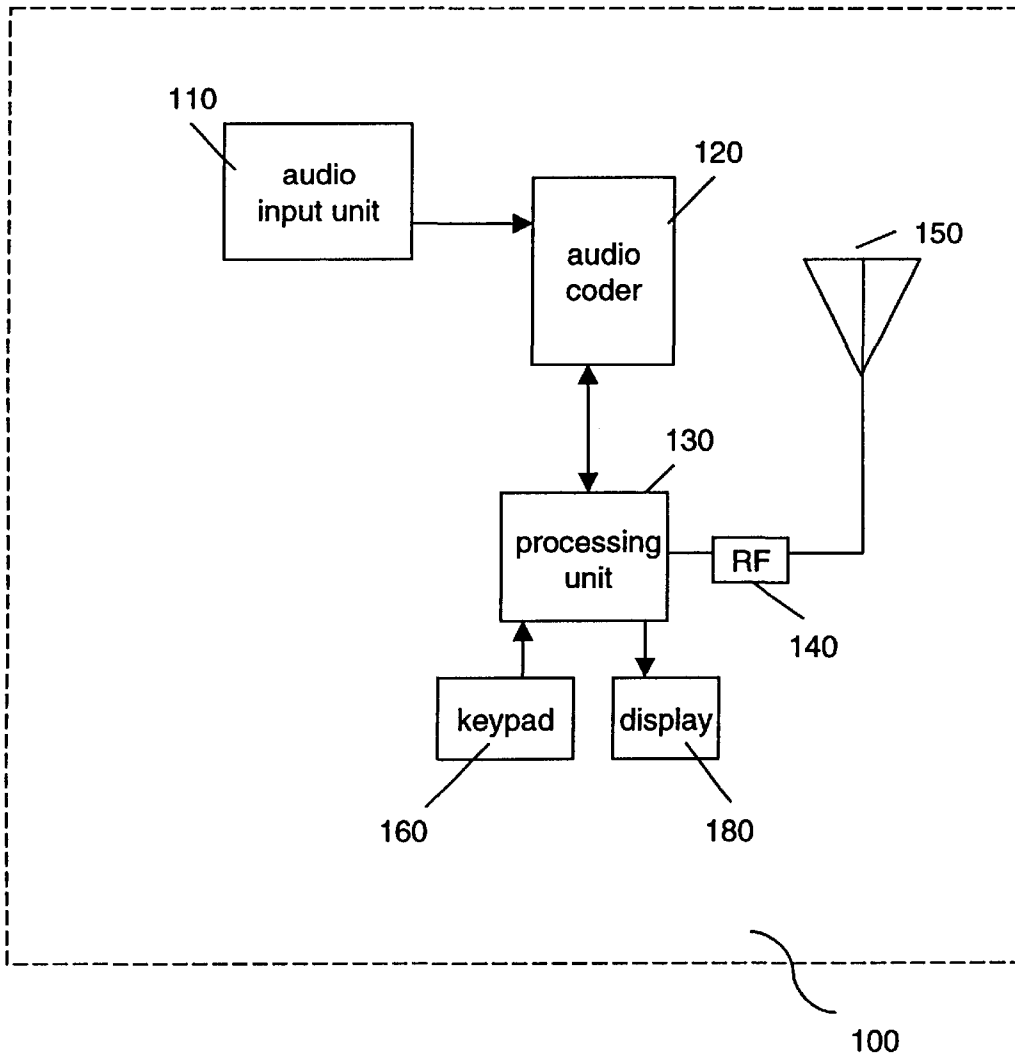


FIG. 3



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