



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

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(54) **COMMUNICATION SCHEME FOR REALIZING EFFECTIVE DATA INPUT/SETUP IN COMPACT SIZE PORTABLE TERMINAL DEVICE USING LOCALLY CONNECTED NEARBY COMPUTER DEVICE**

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(30) **Foreign Application Priority Data**

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(51) **Int. Cl.**
G06F 15/16 (2006.01)

(52) **U.S. Cl.** **709/234**; 709/217; 379/93.01

(58) **Field of Classification Search** 709/217-219, 709/245, 236, 249, 228, 203, 227, 232, 234; 345/157, 751, 163; 455/3.01; 379/93.01, 379/93.24

See application file for complete search history.

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Primary Examiner—William C. Vaughn, Jr.

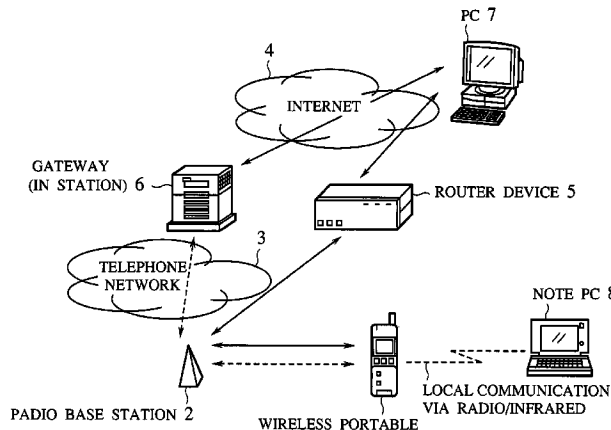
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(57) **ABSTRACT**

A communication scheme in which it becomes possible to improve handling of a user interface or omit tedious operations in a portable terminal device by cooperating the computer device with the portable terminal device is disclosed. The portable terminal device obtains a prescribed information regarding the computer network that is necessary or utilizable in operating an application program to be operated on the portable terminal device by being connected to the computer network, from the computer device connected to the portable terminal device via the local network, carries out a prescribed processing for the application program according to at least a part of the prescribed information, and executes the application program by using a result of the prescribed processing and being connected to the computer network.

13 Claims, 25 Drawing Sheets



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FIG. 1

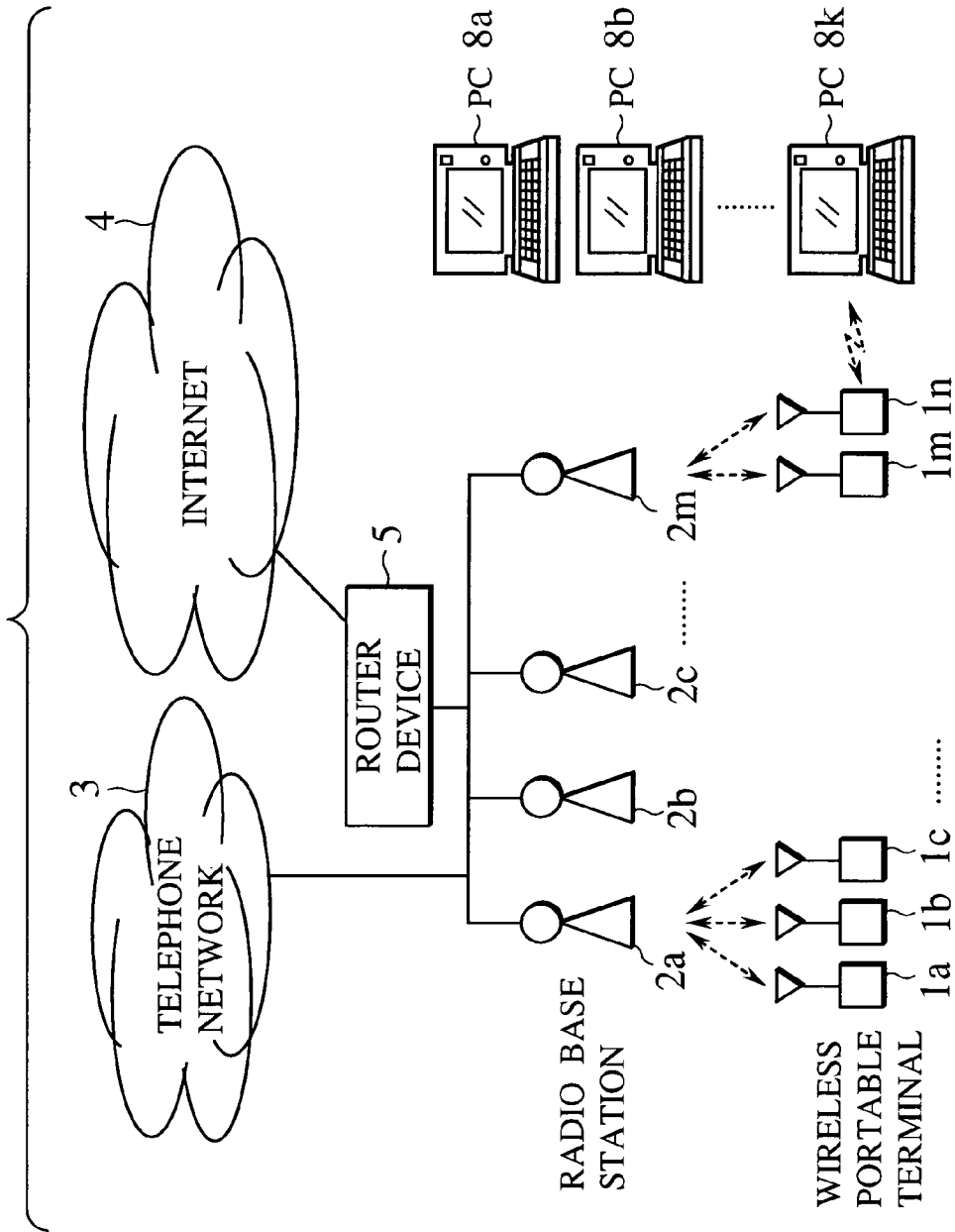
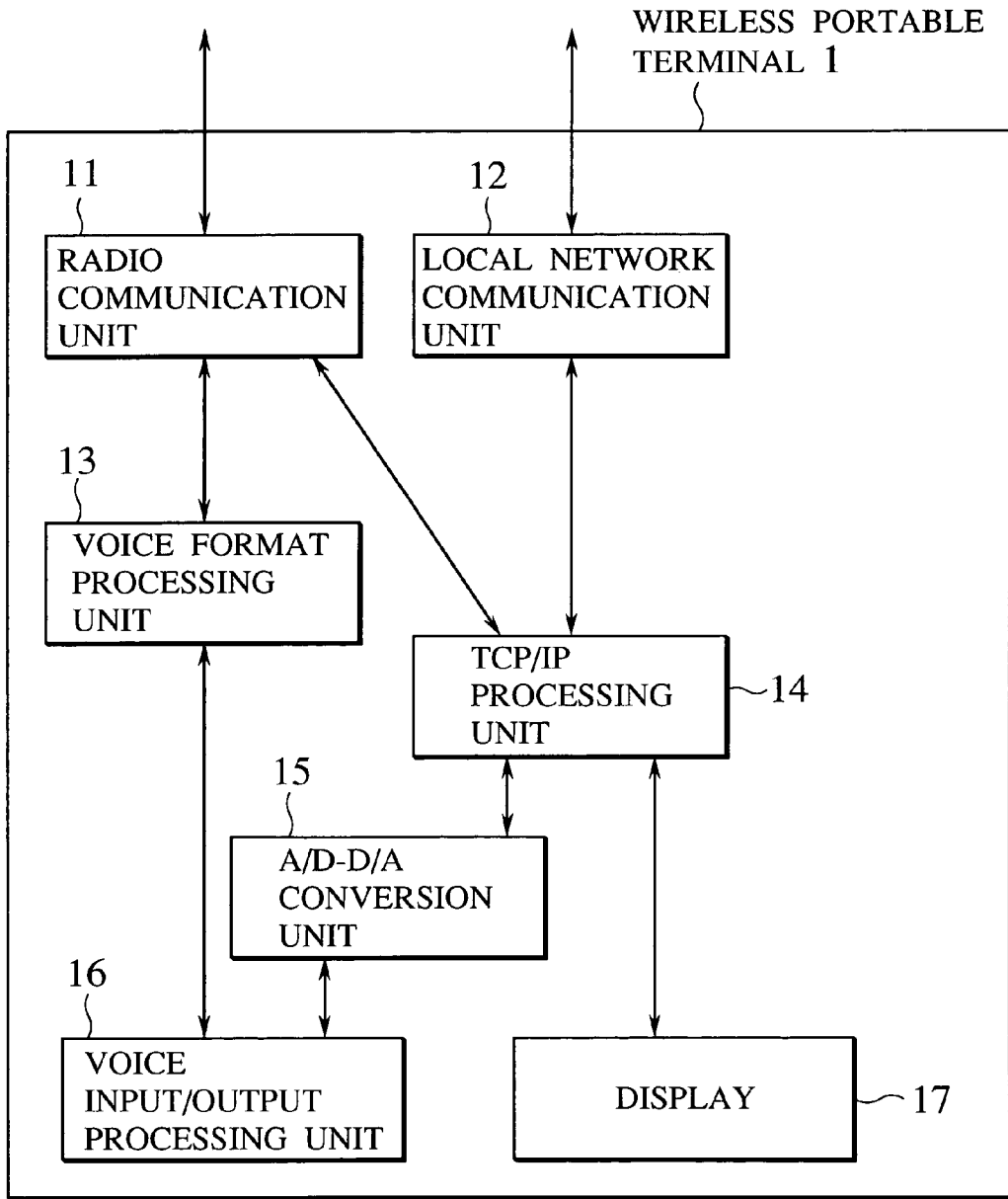


FIG.2



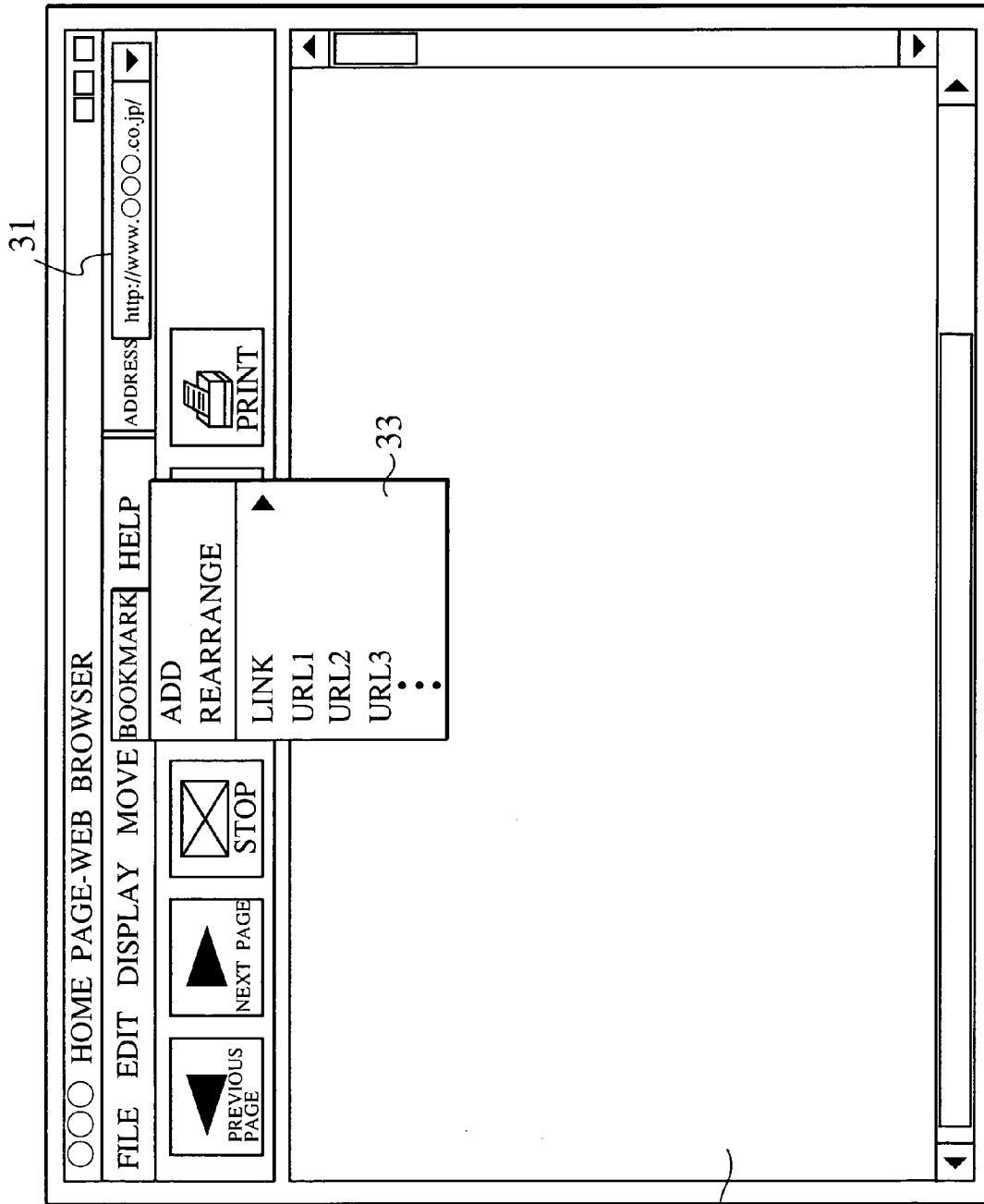


FIG.3

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