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Rao et al.

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(54) **DYNAMICALLY CONFIGURABLE IP BASED WIRELESS DEVICES AND NETWORKS**

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

This patent is subject to a terminal disclaimer.

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Related U.S. Application Data

(63) Continuation of application No. 13/287,040, filed on Nov. 1, 2011, which is a continuation of application No. 13/047,718, filed on Mar. 14, 2011, now Pat. No. 8,090,356, which is a continuation of application No. 09/591,381, filed on Jun. 9, 2000, now Pat. No. 7,929,950, which is a continuation-in-part of application No. 09/281,739, filed on Jun. 4, 1999, now Pat. No. 6,169,789, which is a continuation-in-part of application No. 08/764,903, filed on Dec. 16, 1996, now abandoned.

(51) **Int. Cl.**
H04M 3/42 (2006.01)

(52) **U.S. Cl.**
USPC **455/414.1**

(58) **Field of Classification Search** 455/414.1,
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455/411, 67.13; 370/237, 343, 242, 408,
370/392, 252, 230.1, 331, 260, 389, 254,
370/340, 336, 232

See application file for complete search history.

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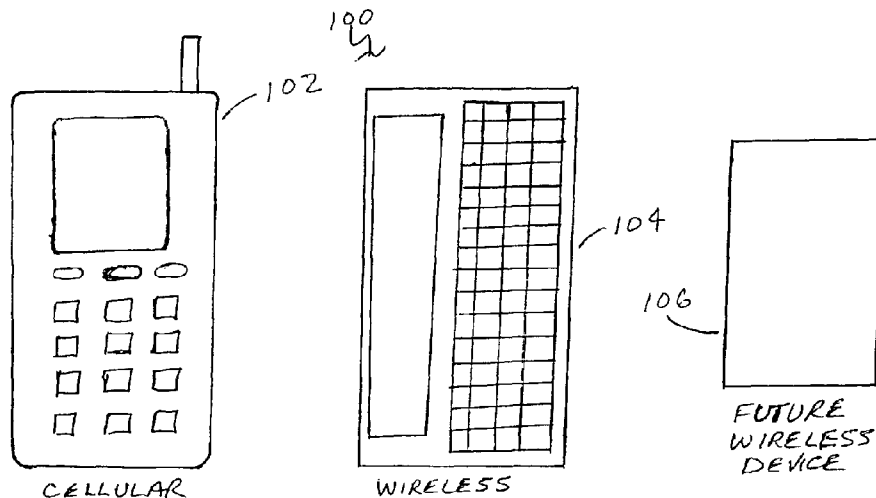
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(57) **ABSTRACT**

A wireless communication and control system including a wireless device. There is a central server for storing communication protocols and control protocols and communicating the communication protocols and selectively communicating the control protocols between the wireless device and the central server. A communication protocol configures the system for communication and control protocols configure the system as one of a selection of intelligent appliance controllers. Alternately the control protocols configure the system as one of a selection of Internet terminals. The wireless device is any hand-held communication device, such as a hand-held computing device, wireless telephone, or cellular phone.

18 Claims, 5 Drawing Sheets



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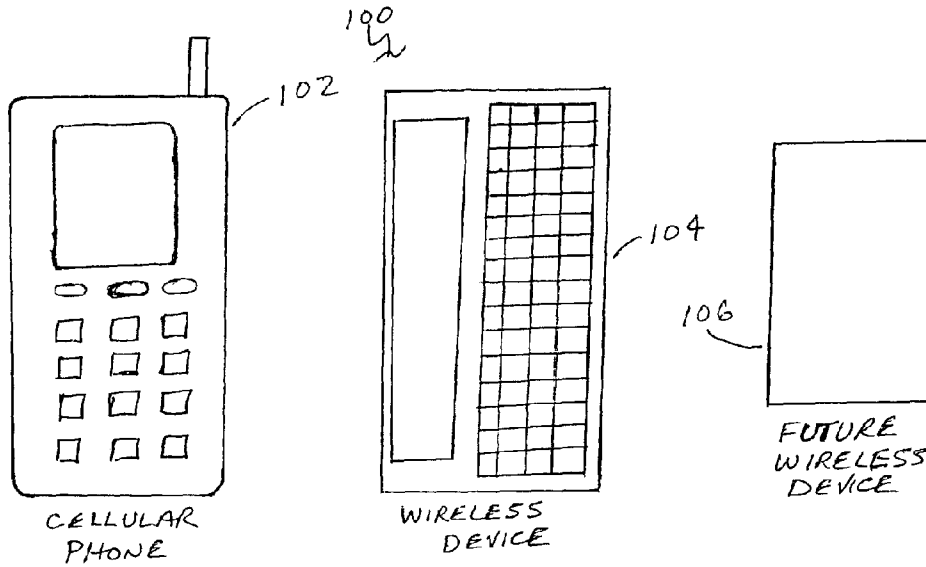


FIG. 1

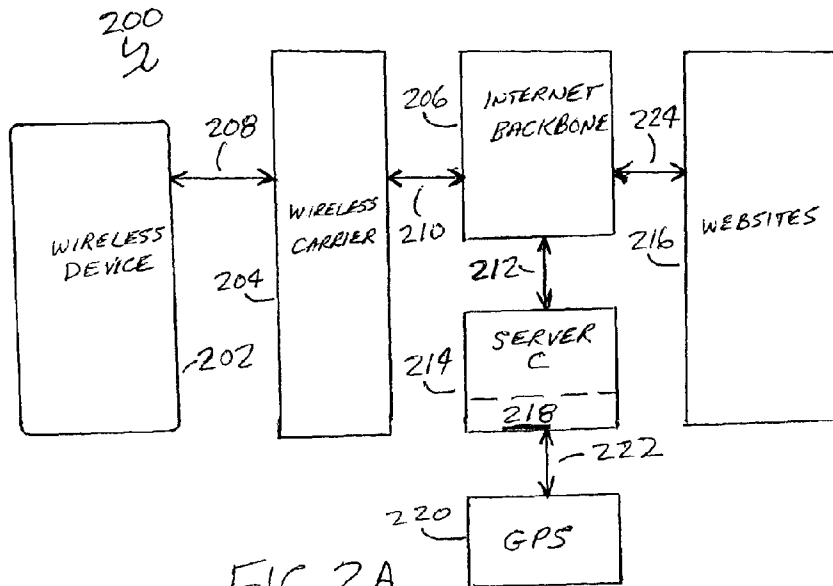
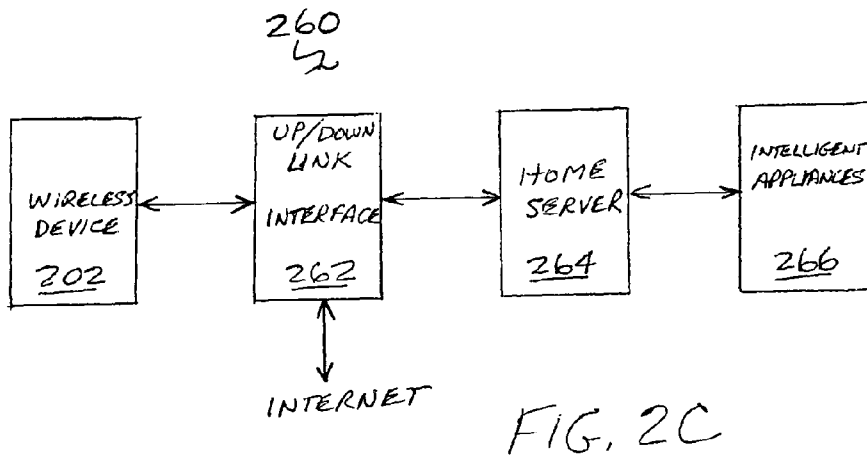
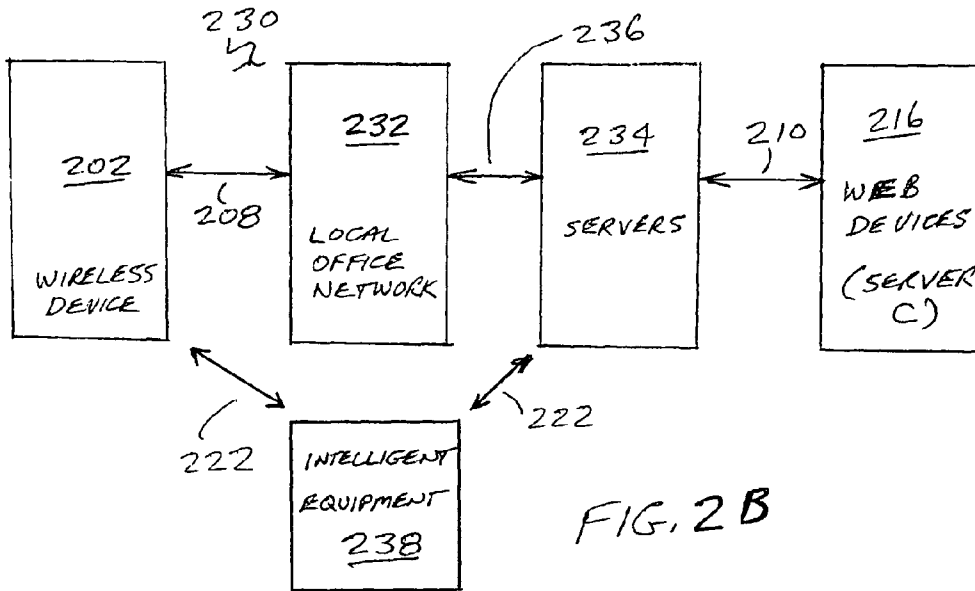


FIG. 2A



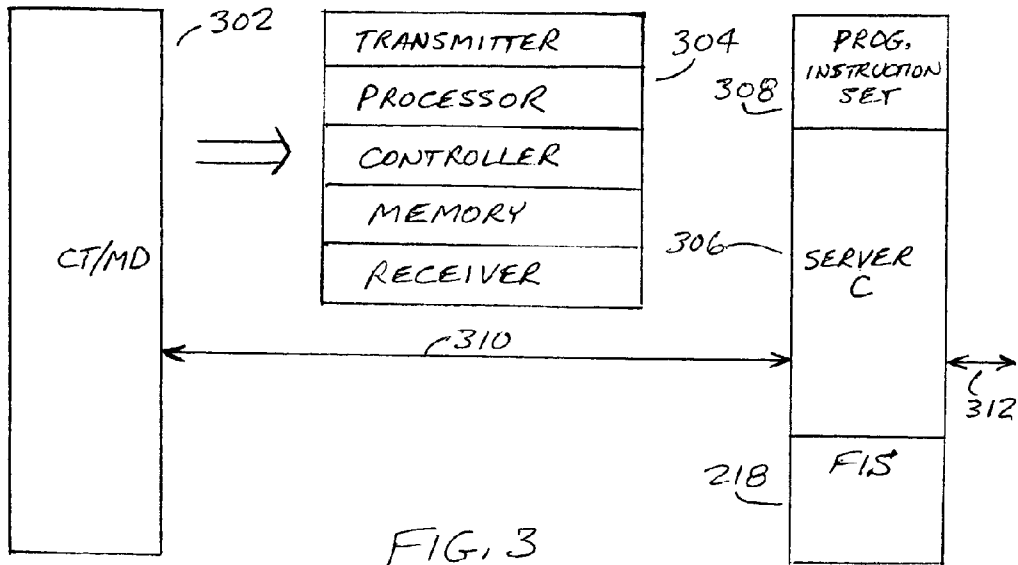


FIG. 3

400

CURRENT MODE - PRIORITY 402

PRIMARY	SECONDARY	TERTIARY
PUBLIC CARRIER LOOP	HOME LOOP	LOCAL OFFICE LOOP
FREQUENCY FP	FREQUENCY FH	FREQUENCY FL



REQUESTED MODE - PRIORITY 404

PRIMARY	SECONDARY	TERTIARY
LOCAL OFFICE LOOP	PUBLIC CARRIER	HOME LOOP
FL	FP	FH

FIG. 4

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