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Rao et al.

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(54) **DYNAMICALLY CONFIGURABLE IP BASED MOBILE 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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(22) Filed: **Sep. 13, 2012**

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.**
H04W 4/00 (2009.01)

(52) **U.S. Cl.**
USPC **455/418**

(58) **Field of Classification Search**
USPC 455/414.1, 417–419, 403, 407–409, 455/461, 571, 450, 452.2, 509, 67.11, 411, 455/67.13; 370/452, 2, 328, 230.1, 331, 260, 370/389, 254, 340, 336, 242, 408, 232, 392, 370/310, 520, 401
See application file for complete search history.

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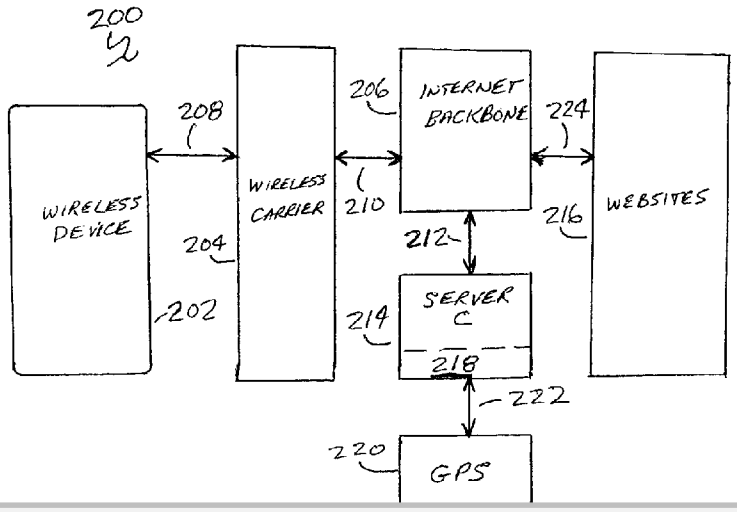
(74) *Attorney, Agent, or Firm* — Levine Bagade Han LLP

(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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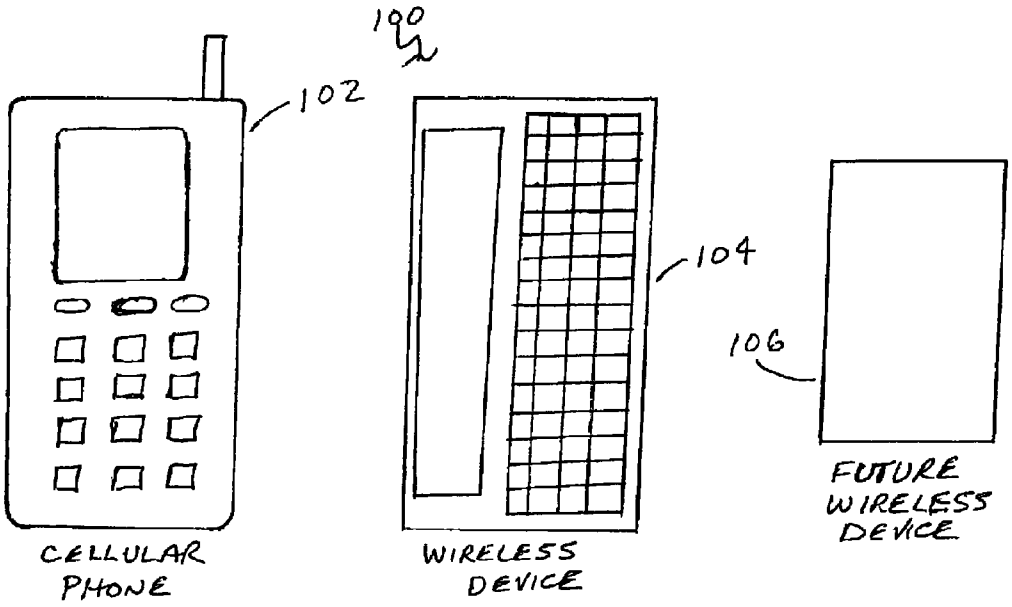

FIG. 1

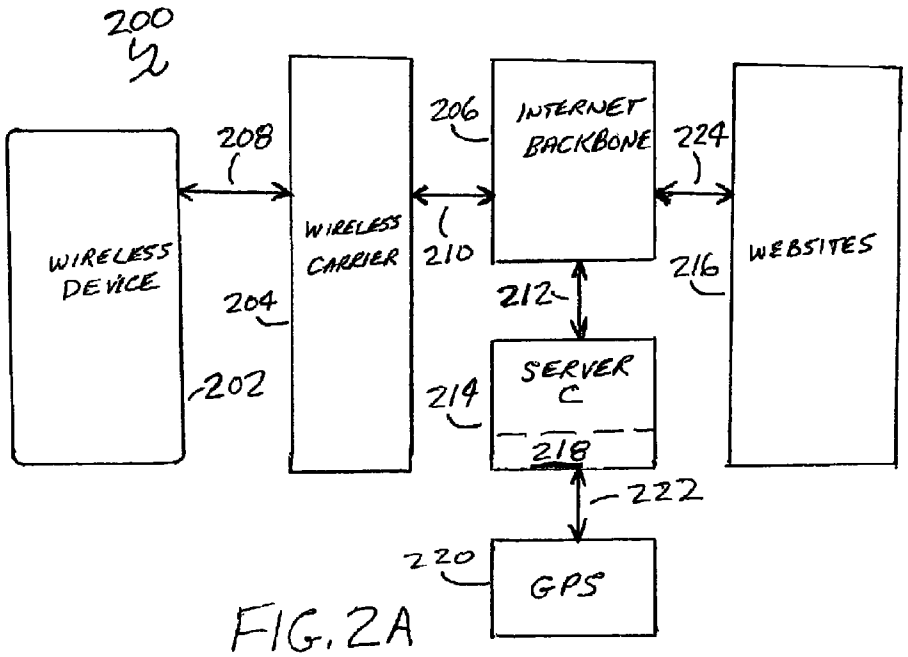

FIG. 2A

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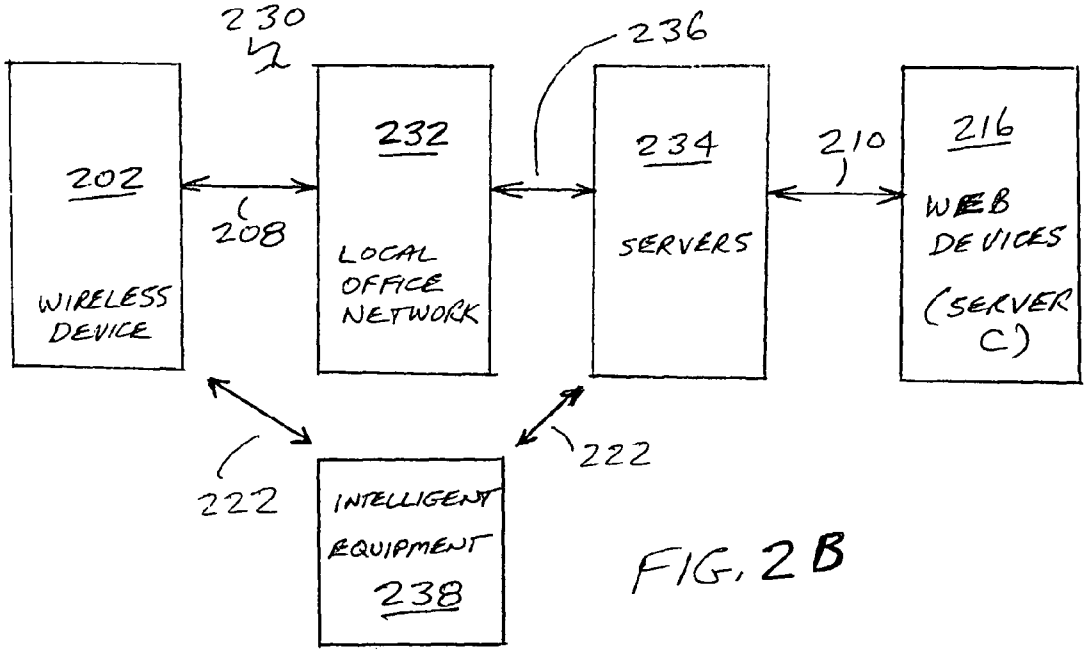

FIG. 2B

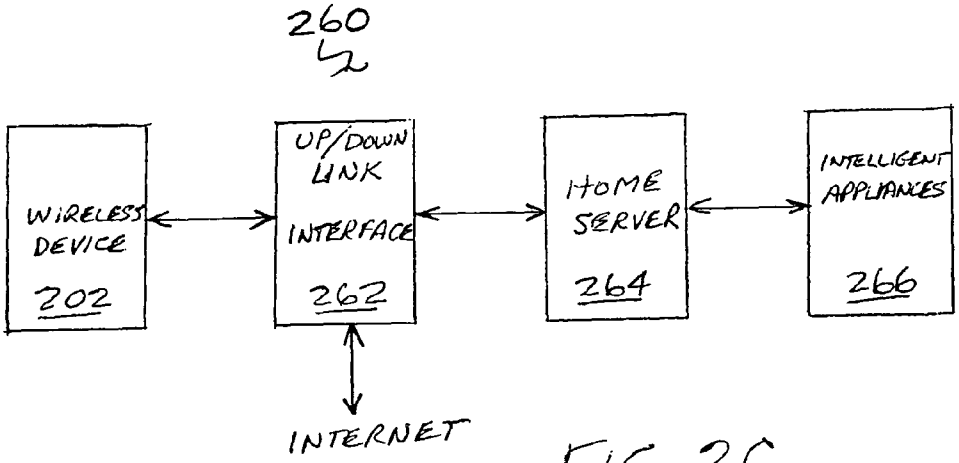

FIG. 2C

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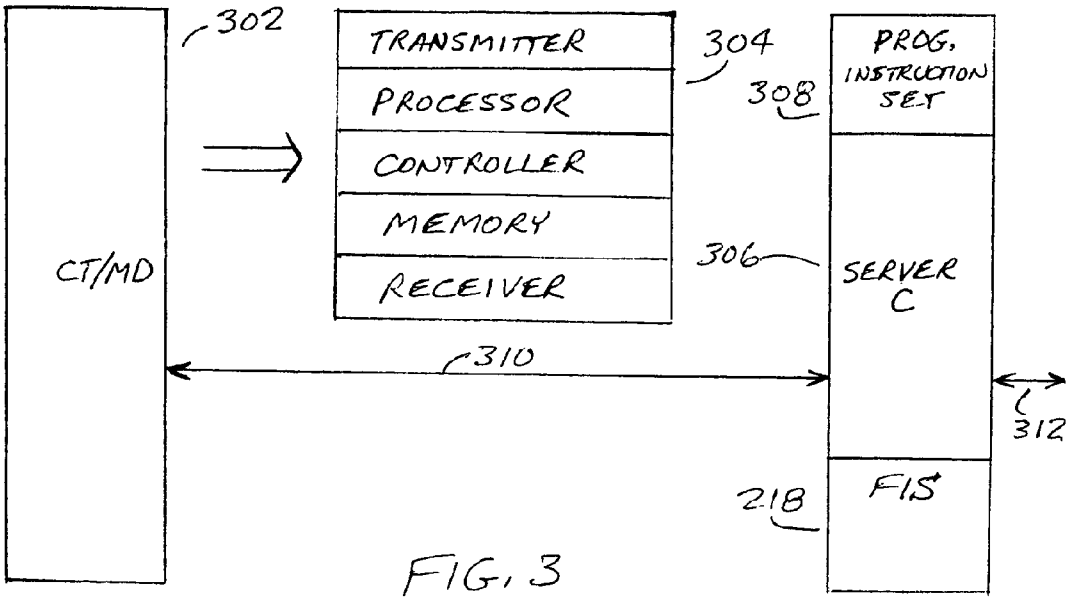

FIG. 3

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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