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United States Patent [19] Kaufman

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[45] Date of Patent: **Mar. 7, 2000**

- [54] **WIRELESS REMOTE SYNCHRONIZATION OF DATA BETWEEN PC AND PDA**
- [75] Inventor: **Steven B. Kaufman**, Bridgewater, N.J.
- [73] Assignee: **Lucent Technologies, Inc.**, Murray Hill, N.J.
- [21] Appl. No.: **08/972,453**
- [22] Filed: **Nov. 18, 1997**
- [51] Int. Cl.⁷ **H04Q 7/00**
- [52] U.S. Cl. **340/825.44; 370/310; 370/340; 455/403**
- [58] Field of Search 340/825.44, 825.06, 340/825.14, 311.1; 370/310, 340; 455/403

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Primary Examiner—Jacques H. Louis-Jacques
Assistant Examiner—Yonel Beaulieu

[57] ABSTRACT

Wireless communication paths between a PC and a Personal Digital Assistant (PDA) are utilized to synchronize data files between the PC and the PDA. Example wireless communication paths include) a one-way paging network, a two-way paging network, a Cellular Digital Packet Data (CDPD) network, and a cordless telephone network. Automated updating of remote files is accomplished by invisibly updating using a paging or CDPD network, e.g., either after each change to the data file, after a series of changes to the data file, after exiting the scheduling application program, at predetermined intervals and/or even on-demand. A simple and efficient wireless way to synchronize data files on separate computers which do not require a fixed, direct connection to each other, such as a direct connection through the PSTN, infrared link, or wired or wireless LAN type connection. The synchronization of data files can be updated on a frequent, inconspicuous and convenient basis.

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44 Claims, 6 Drawing Sheets

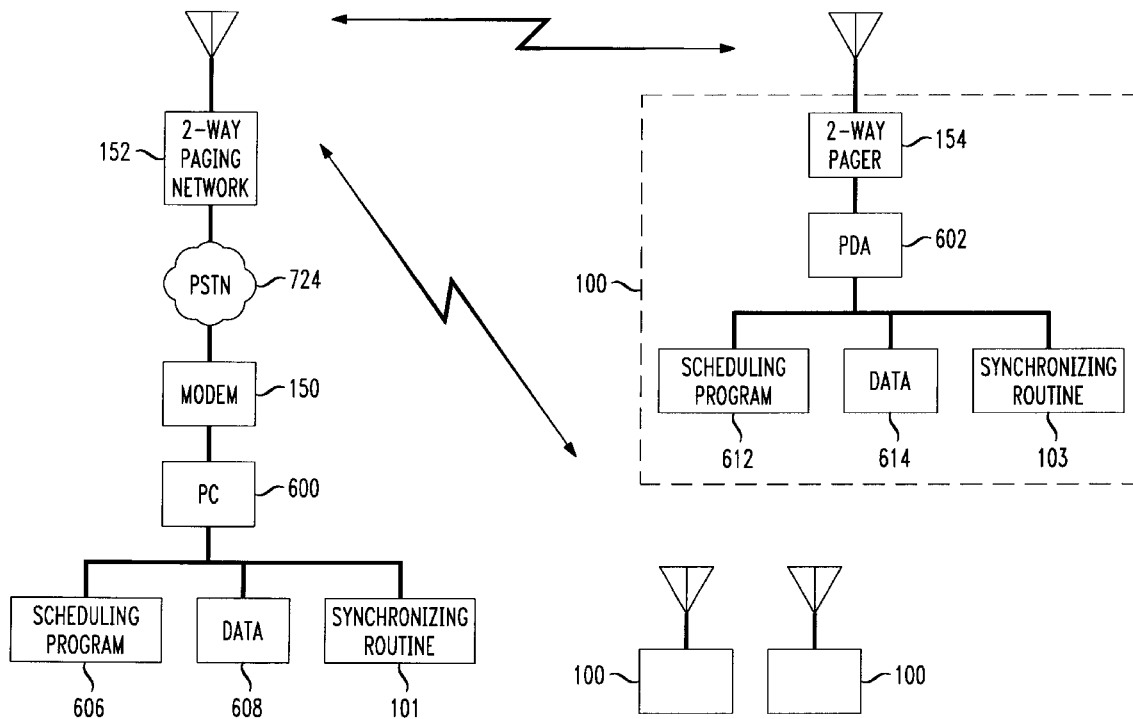


FIG. 1

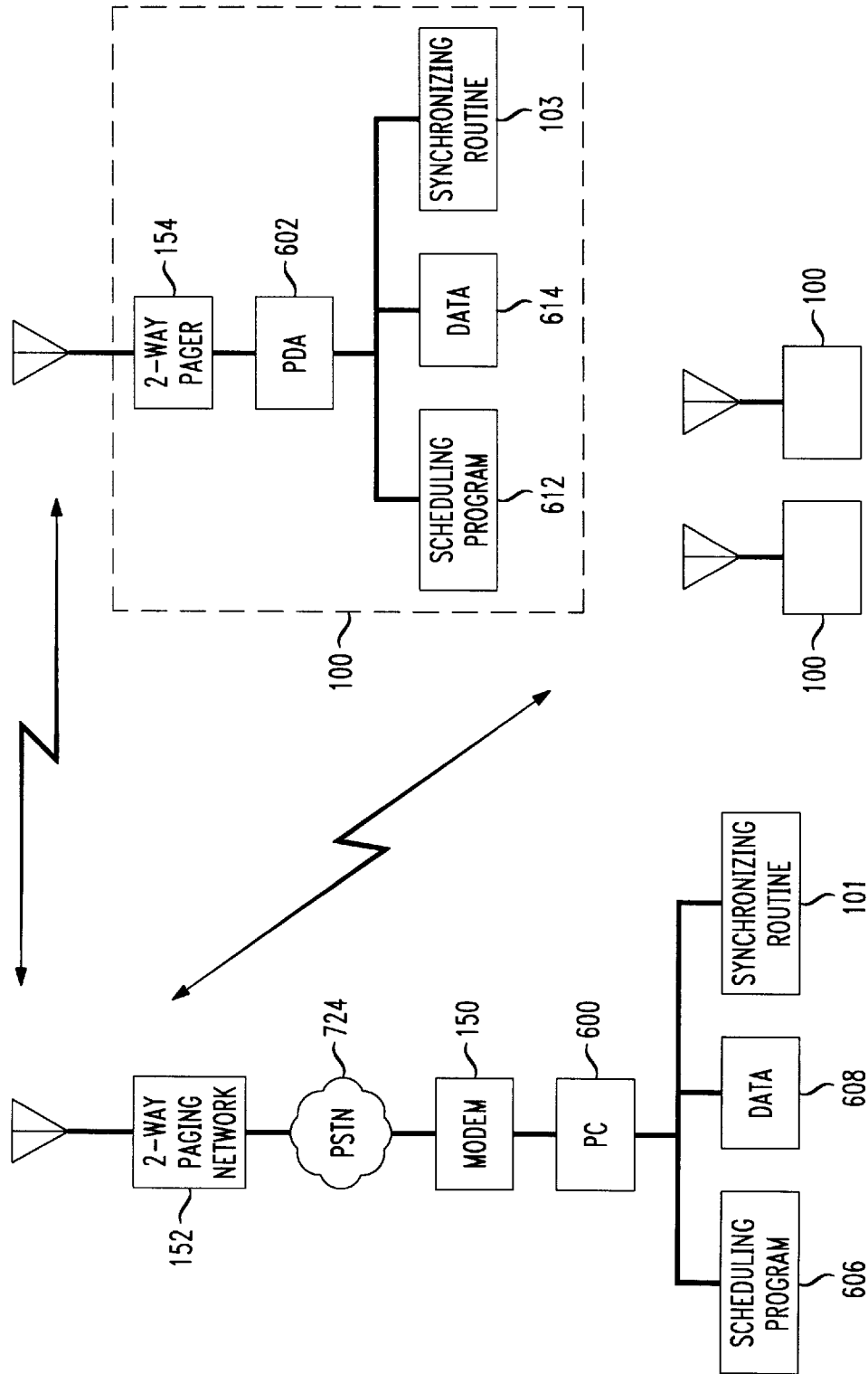


FIG. 2

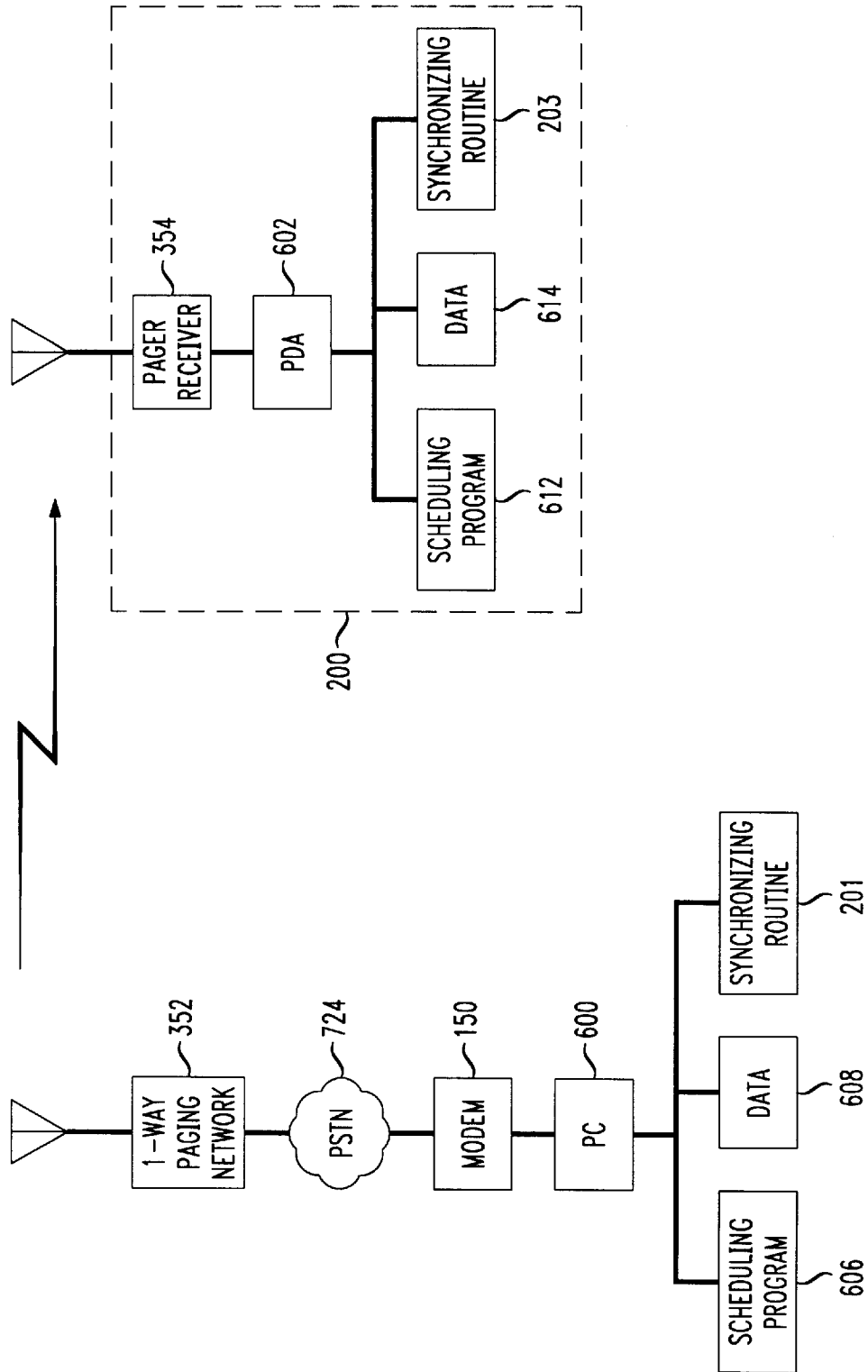


FIG. 3

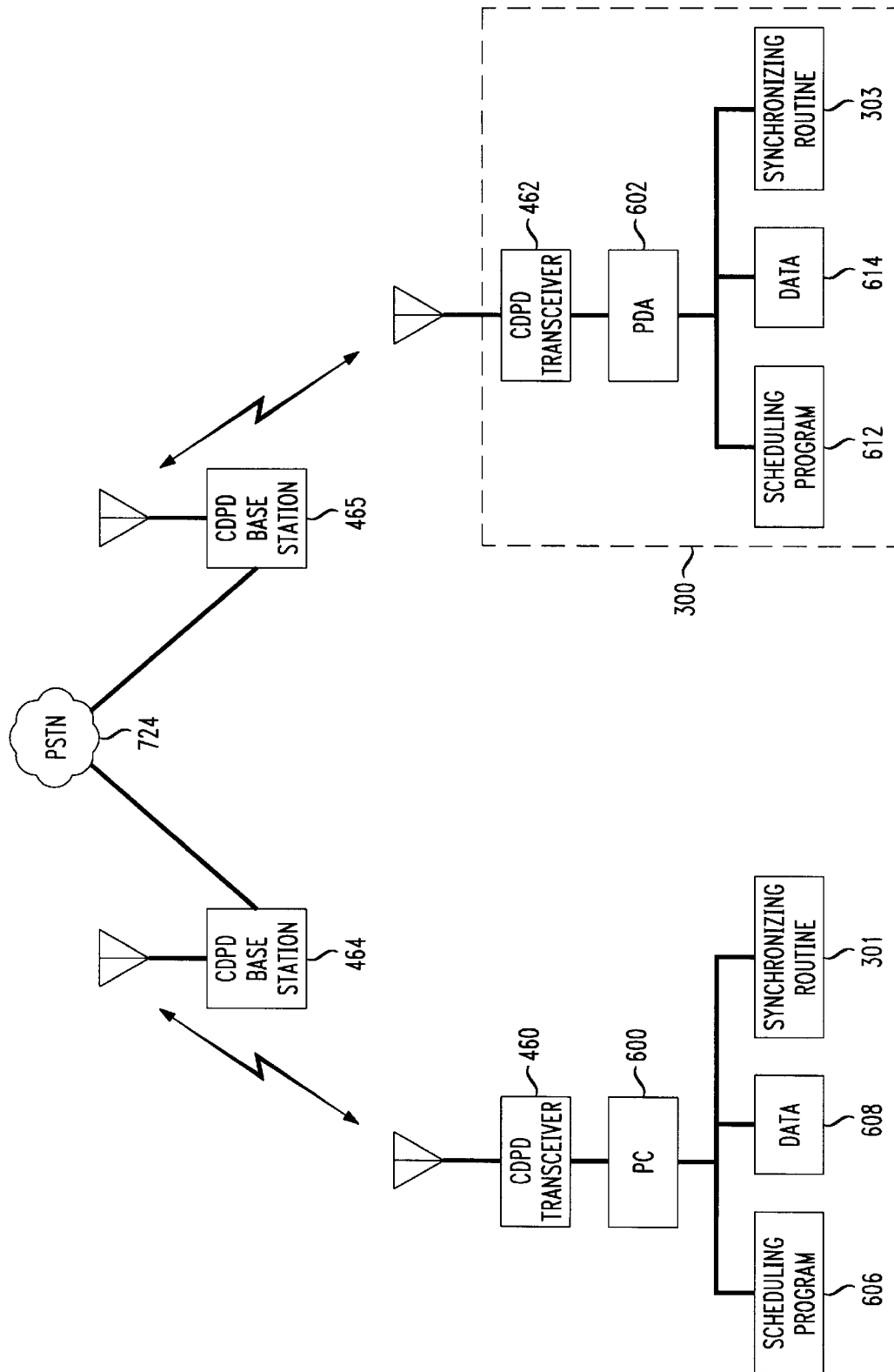
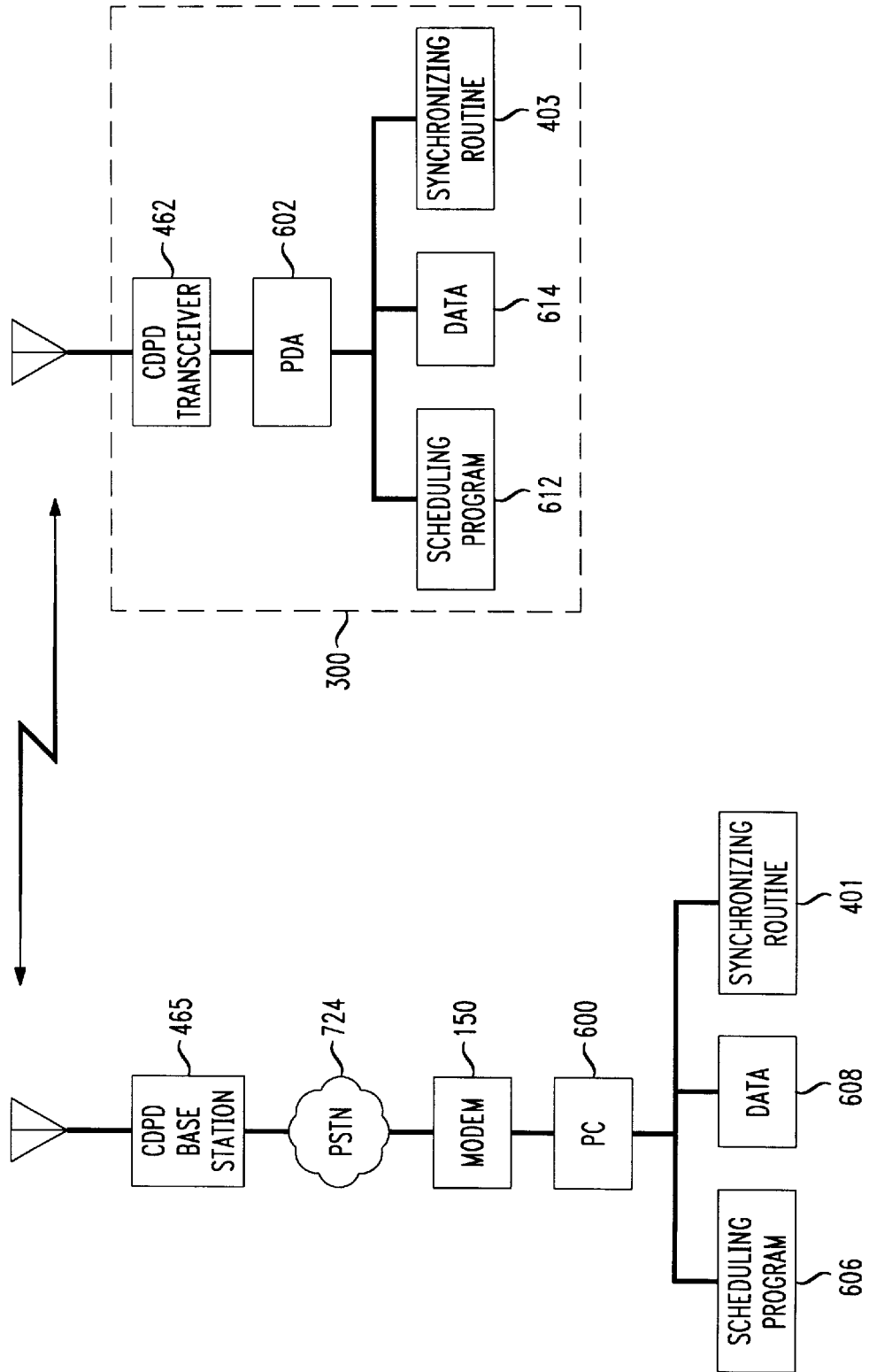


FIG. 4



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