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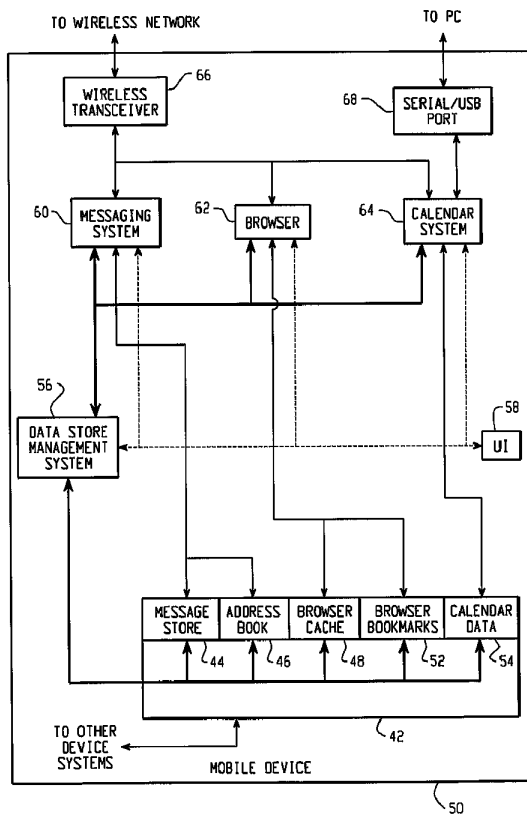
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(54) Titre : SYSTEME DE GESTION DE MEMOIRE DE DONNEES ET PROCEDE DESTINE A DES APPAREILS SANS
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(54) Title: DATA STORE MANAGEMENT SYSTEM AND METHOD FOR WIRELESS DEVICES



(57) Abrégé/Abstract:

In accordance with the teaching described herein, systems and methods are provided for managing memory space in a mobile device (50). A plurality of data storage locations (44, 46, 48, 52, 54) may be included. A plurality of software applications may be

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(57) **Abrégé(suite)/Abstract(continued):**

included, with each software application being operable to store data to a different data storage location (44, 46, 48, 52, 54). A data store management system (56) may be operable to access and delete data stored in the plurality of data storage locations (44, 46, 48, 52, 54). If insufficient memory space is available in one of the data storage locations, then the data store management system (56) may access the one data storage location and at least one other data storage location and delete data from at least one of the accessed data storage locations.

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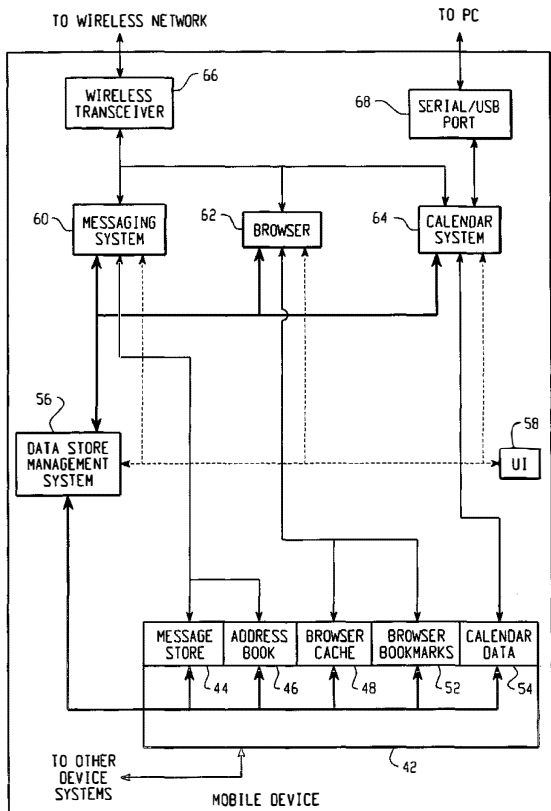
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(54) Title: DATA STORE MANAGEMENT SYSTEM AND METHOD FOR WIRELESS DEVICES



(57) Abstract: In accordance with the teaching described herein, systems and methods are provided for managing memory space in a mobile device (50). A plurality of data storage locations (44, 46, 48, 52, 54) may be included. A plurality of software applications may be included, with each software application being operable to store data to a different data storage location (44, 46, 48, 52, 54). A data store management system (56) may be operable to access and delete data stored in the plurality of data storage locations (44, 46, 48, 52, 54). If insufficient memory space is available in one of the data storage locations, then the data store management system (56) may access the one data storage location and at least one other data storage location and delete data from at least one of the accessed data storage locations.

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**DATA STORE MANAGEMENT SYSTEM AND
METHOD FOR WIRELESS DEVICES**

TECHNICAL FIELD

5 The technology described in this patent document relates generally to the field of data stores. More particularly, the patent document describes a data store management system and method that is particularly well-suited for use with a mobile communication device, such as a wireless two-way messaging device, a cellular telephone, a personal digital assistant (PDA), or other mobile
10 communication device having limited memory space.

BACKGROUND ART

 Known mobile communication devices typically have limited memory space relative to personal computers (PCs). PCs, including laptop and desktop
15 computers, for example, normally have at least tens of megabytes (Mb) of random access memory (RAM) in addition to gigabytes of other storage, such as one or more hard disk drives. However, due mainly to power supply and physical space limitations, mobile communication devices are typically provided with much less memory than PCs. Due to the limited memory resources on a typical mobile
20 communication device, enhanced device applications, such as electronic messaging, web browsing, calendar management, and the like, may quickly exhaust available memory space. Thus, typical mobile communication devices often employ memory management functions to make better use of available memory resources. For example, when additional memory space is require in a
25 typical mobile communication device, the device's memory management system may delete oldest or least-used data from memory to make room for new information.

DISCLOSURE OF INVENTION

30 In accordance with the teaching described herein, systems and methods are provided for managing memory space in a mobile device. A plurality of data storage locations may be included. A plurality of software applications may be included, with each software application being operable to store data to a different

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