

Sheng Tai (Ted) Tsao

1) Amendment to the Priority:

Please replace the first paragraph with following:

“ Field of The Invention Reference To The Prior Arts
This invention is a the-continuation application of 10/726,897 which is filed on 12/04/2003 which has referenced the provisional previous-invention, application No. number 60/401, 238 filed on 08/06/2002 of “Concurrent Web-Based Multi-task Support for Control Management System”, where the claim 20 item a), b), d), claim 30 item b), and together with claim 36 represent an invention of using storage of a server system as the external storage for wireless devices. This invention focuses on how can a wireless device user actually use external storage. Specially it focus on how can a wireless device to download data to its external storage, which its principle has preliminary described in claim 19) of previous invention, and referenced provisional application No. number 60/402,626 filed in 08/12/2002. All mentioned applications are herein incorporated by reference in their entirety for all purpose of “IP Based Distributed Virtual SAN”, to transmit data in wireless environment.”

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AMENDMENT TO THE ABSTRACT:

Please withdraw the original abstract in the application filed on 12/04/2003 and replace it with the following abstract:

“

Abstraction

To meet the needs for storing larger volume personal information for user of wireless device, it is desire to provide extra storage space to the wireless device such as for cell phone etc due to the limited storage space that the wireless device has. Instant application disclosed a system and method for the wireless device to efficiently and effectively use remotely located storage space provided by a server.

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AMENDMENT IN THE CLAIMS:

1 – 10 (*Canceled*)

11. (*New*) A server providing storage space to wireless device, the server comprising:
at least one storage device configured with at least one storage space; and
a storage medium comprising program code that, when executed by the server, causes the server to:
allocate the storage space of a predefined capacity to be accessible to the wireless device, create a folder structure residing in the storage space;
establish a link for the wireless device access to the folder structure in the storage space; and
update the folder structure whenever a user from the wireless device to performs an operation to the folder structure in the storage space.
12. (*New*) The server as recited in claim 11, wherein the updating of the folder structure comprises: updating the folder structure in response to a request, received from the wireless device, for creating a folder in the folder structure.
13. (*New*) The server as recited in claim 12, , wherein the updating of the folder structure comprises: updating the folder structure in response to a request, received from the wireless device, for access to the folder in the folder structure for storing data therein or retrieving data therefrom, wherein the data is a file or a message.
14. (*New*) The server as recited in claim 13, , wherein the updating of the folder structure comprises: updating the folder structure in response to a request, received from the wireless device, for deleting or moving or copying or renaming a file or a folder being stored in the folder structure.
15. (*New*) The server as recited in claim 12, wherein the updating of the folder structure comprises: updating the folder structure in response to a request, received from the

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wireless device for storing a file to be downloaded from a remote web server directly into the storage space instead of downloading the file into the wireless device itself.

16. *(New)* The server as recited in claim 12, wherein the folder structure is created with multiple folders on a file system configured in the storage space accessible to the wireless devices.
17. *(New)* The server as recited in claim 12, wherein the user of the wireless device is allowed via a web browser executed thereof to perform said operation to the folder structure in the storage space.
18. *(New)* The server as recited in claim 12, wherein the link includes wireless communication media.
19. *(New)* A method for a wireless device downloading file comprising:
 - obtaining, by the wireless device, download information for a file from a remote web server;
 - transmitting the download information cached in the wireless device to a storage server; and
 - causing the storage server in accordance with the downloading information to download the file from the remote web server directly into a storage space configured in the storage server.
20. *(New)* The method as recited in claim 19, wherein the remote web server is accessible through the world wide web and comprises at least one downloadable file.
21. *(New)* The method as recited in claim 19, wherein the storage space is configured in a storage device residing in the storage server and comprises a file system.
22. *(New)* The method as recited in claim 19, wherein the wireless device is operable to allow a user via a web browser executed thereof to request download a file from a

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remote web server into the storage space directly instead of downloading the file into the wireless device itself.

23. *(New)* The method as recited in claim 19, wherein the wireless device is configured via a link access to the storage space residing in the storage server.

24. *(New)* A system supporting wireless device downloading file, the system comprising:
at least one storage server and
one wireless device, the storage server configured with at least one storage space of a predefined capacity to allow the wireless device via a link remotely access to the storage space;
wherein the wireless device is configured to allow a user via a web browser executed thereof to download a file from a remote web server directly into the allocated storage space in the storage server instead of downloading the file into the wireless device itself.

25. *(New)* The system as recited in the claim 24, wherein said downloading a file from a remote web server comprises:
obtaining, by the wireless device, download information for the file from the remote web server;
transmitting the download information cached in the wireless device to the storage server; and
causing the storage server in accordance with the downloading information to download the file from the remote web server directly into the storage space allocated to the wireless device.

26. *(New)* The system as recited in claim 24, wherein the wireless device has a function of making or receiving a phone call.

27. *(New)* The system as recited in claim 24, wherein the storage space is configured in a storage device residing in the storage server and comprises a file system.

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