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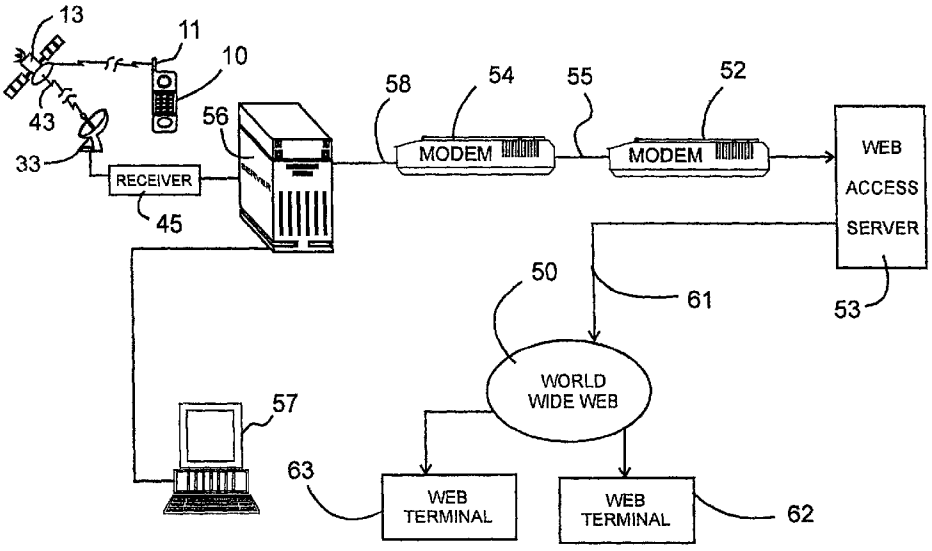
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[Continued on next page]

(54) Title: A SYSTEM FOR ENCRYPTION OF WIRELESS TRANSMISSIONS FROM PERSONAL PALM COMPUTERS TO WORLD WIDE WEB TERMINALS



(57) Abstract: Encryption is provided in wireless personal palm type computer devices for Internet transmitted documents despite the limited data processing and memory functions in such devices. The palm type device initially encrypts only a portion of a text document which is then wirelessly transmitted to the server computer which normally functions as the Web server, i.e. the server through which Web computer terminals are wired or connected into the Web. This Web server then further encrypts the received text document and then further transmits this further encrypted document to a terminal in said network. Preferably, the further encryption in the server involves two steps: decrypting the lower level encryption (necessitated by the limited CPU and memory resources in the palm device) to restore the text document at the server before the server may then re-encrypt the whole document using a higher level conventional 128 bit Web encryption protocols such as SSL.

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