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(54) **SYSTEM FOR STORING ENCRYPTED DATA BY SUB-ADDRESS**

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(57) **ABSTRACT**

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A system and method for storing encrypted electronic data using a transmission Control Protocol (TCP), requires leaving both the header and the first 48 bytes of the "0" data packet in the data area of the TCP format in clear text. Consequently, the data can be routed to a main address (storage facility), and then to a sub-address (storage device) for storage. A single compression/encryption operation can be accomplished, before storage, at the host (server), the network switch, or the final storage device.

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