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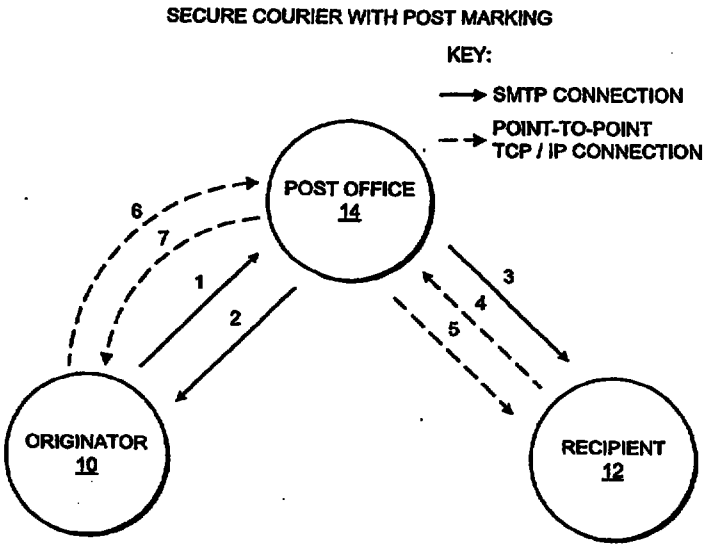
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(54) Title: A SECURE DATA TRANSFER SYSTEM

(57) Abstract

A data transfer system comprises a sender, receiver and a key facility. The sender encrypts data and splits it into parts. One part is further encrypted for a key facility. The parts are sent to the receiver. The receiver requests decryption of the part encrypted for the key facility and the receiver is then able to decrypt the complete data.



1: MESSAGE SENT FROM POST OFFICE
2: POST OFFICE RETURNS PROOF-OF-SUBMISSION
3: POST OFFICE DELIVERS MESSAGE
4: RECIPIENT REQUESTS THE KEY TO DECIPHER THE MESSAGE
5: POST OFFICE LOGS THE REQUEST AND RETURNS THE KEY
6: ORIGINATOR QUERIES THE STATUS OF THE MESSAGE
7: POST OFFICE RETURNS RESPONSE TO THE ORIGINATORS' QUERY