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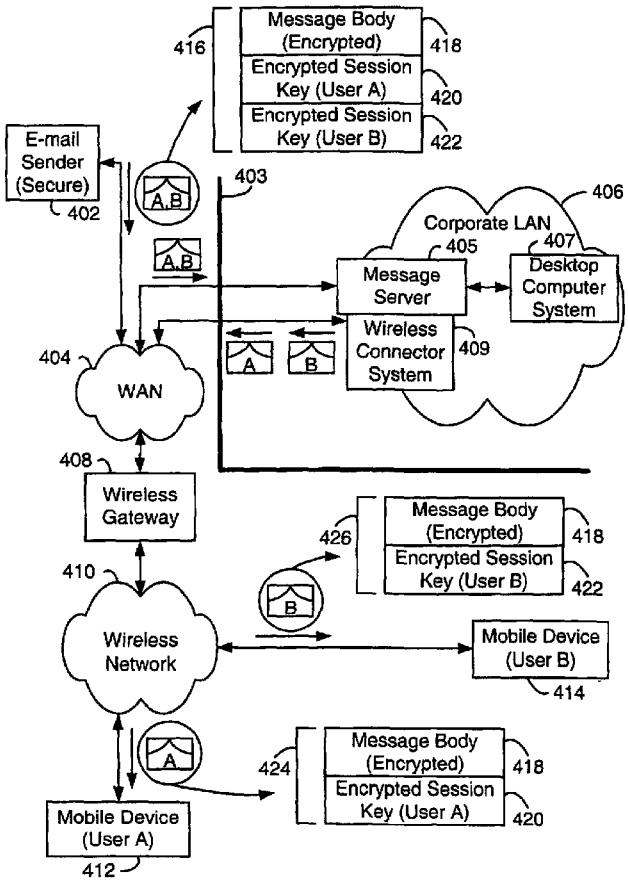
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[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR COMPRESSING SECURE E-MAIL FOR EXCHANGE WITH A MOBILE DATA COMMUNICATION DEVICE



(57) Abstract: A system and method are provided for pre-processing encrypted and/or signed messages at a host system before the message is transmitted to a wireless mobile communication device. The message is received at the host system from a message sender. There is determination as to whether any of the message receivers has a corresponding wireless mobile communication device. For each message receiver that has a corresponding wireless mobile communication device, the message is processed so as to modify the message with respect to encryption and/or authentication aspect. The processed message is transmitted to a corresponding wireless mobile communication device. The system and method may include post-processing messages sent from a wireless mobile communications device to a remote system. Authentication and/or encryption message processing is performed upon the message. The processed message may then be sent through the remote system to one or more receivers.

WO 02/101605 A2

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