

1 22. The method of claim 16, wherein the computer is a first computer and the
2 controlling authority is a first controlling authority, and wherein receiving the message
3 comprises received the message from a second computer associated with a second controlling
4 authority and sending the re-encrypted key part comprise sending the re-encrypted key part to the
5 second computer associated with second controlling authority.

1 23. The method of claim 16, wherein the method further comprises:
2 sending the message to the plurality of computers associated with the plurality of
3 controlling authorities;
4 receiving at least M-1 re-encrypted key parts encrypted specifically for the target
5 device from the plurality of computers associated with the plurality of controlling authorities;
6 and
7 sending the re-encrypted key part and the received at least M-1 re-encrypted key
8 parts to the target device.

1 24. The method of claim 16, wherein the target device is a claimant device
2 associated with a claimant that requests to decrypt the message.

1 25. A computer product comprising a computer readable medium storing a
2 plurality of instructions for controlling a computer system to perform the method of any one of
3 claims 1-24.

1 26. A system comprising:
2 the computer product of claim 25; and
3 one or more processors for executing instructions stored on the computer readable
4 medium.

1 27. A system comprising means for performing the method of any one of
2 claims 1-24.