



(12) **United States Patent**
Vaarala et al.

(10) **Patent No.:** **US 9,712,494 B2**
(45) **Date of Patent:** ***Jul. 18, 2017**

(54) **METHOD AND SYSTEM FOR SENDING A MESSAGE THROUGH A SECURE CONNECTION**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **15/372,208**

(22) Filed: **Dec. 7, 2016**

(65) **Prior Publication Data**
US 2017/0093799 A1 Mar. 30, 2017

Related U.S. Application Data
(63) Continuation of application No. 13/685,544, filed on Nov. 26, 2012, which is a continuation of application (Continued)

(30) **Foreign Application Priority Data**
Jan. 22, 2002 (FI) 20020112

(51) **Int. Cl.**
H04L 9/32 (2006.01)
G06F 15/16 (2006.01)
H04L 29/06 (2006.01)
H04L 9/08 (2006.01)
H04L 29/12 (2006.01)

(52) **U.S. Cl.**
CPC **H04L 63/0281** (2013.01); **H04L 9/0841** (2013.01); **H04L 61/256** (2013.01); **H04L 63/0428** (2013.01); **H04L 63/123** (2013.01)

(58) **Field of Classification Search**
USPC 709/236, 239, 245
See application file for complete search history.

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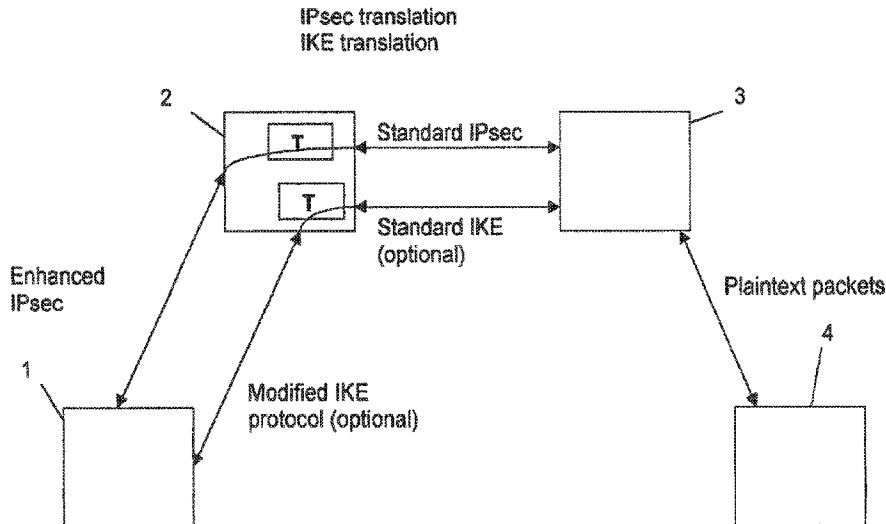
(Continued)

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(57) **ABSTRACT**

The method and system enable secure forwarding of a message from a first computer to a second computer via an intermediate computer in a telecommunication network. A message is formed in the first computer or in a computer that is served by the first computer, and in the latter case, sending the message to the first computer. In the first computer, a secure message is then formed by giving the message a unique identity and a destination address. The message is sent from the first computer to the intermediate computer after which the destination address and the unique identity are used to find an address to the second computer. The current destination address is substituted with the found address to the second computer, and the unique identity is substituted with another unique identity. Then the message is forwarded to the second computer.

11 Claims, 6 Drawing Sheets



Related U.S. Application Data

No. 10/500,930, filed as application No. PCT/FI03/00045 on Jan. 21, 2003, now Pat. No. 8,346,949.

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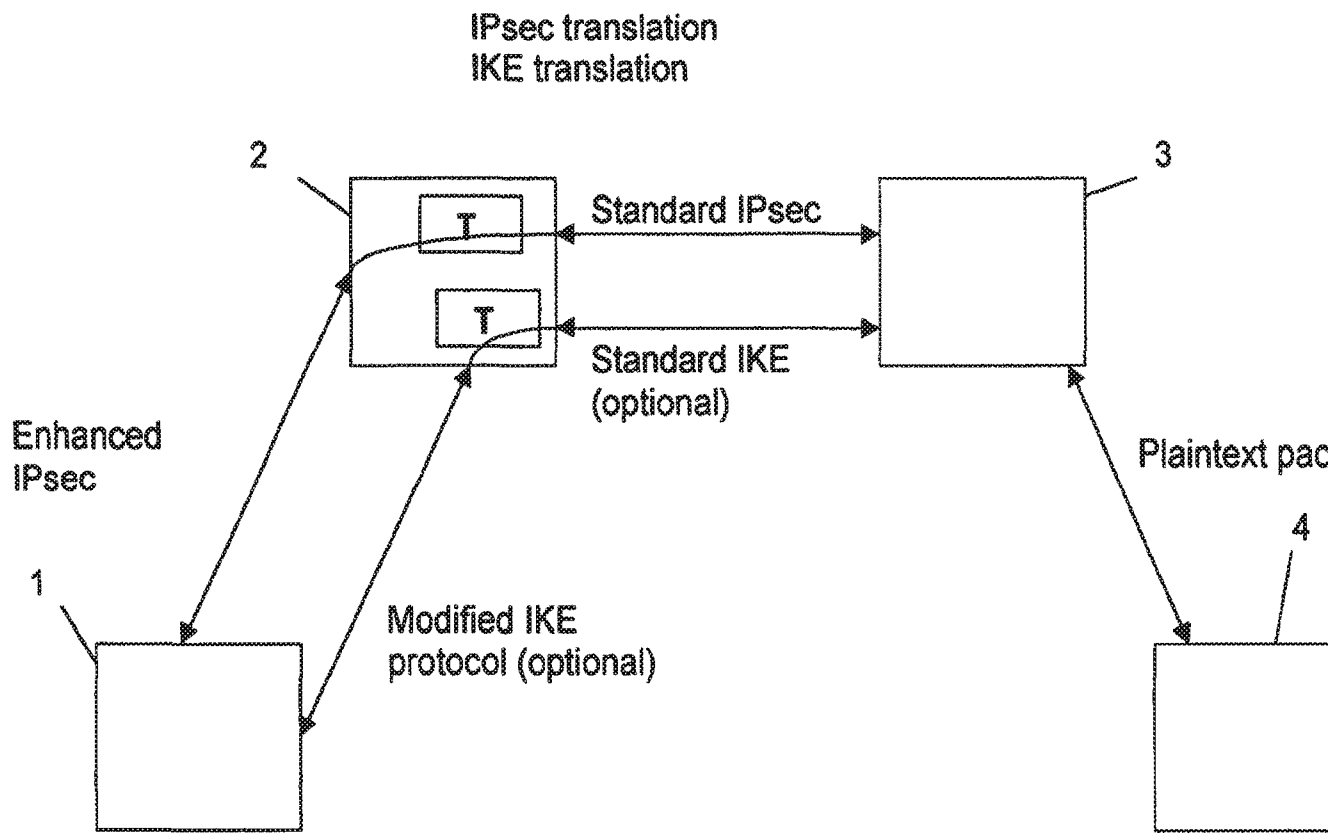


FIG. 1

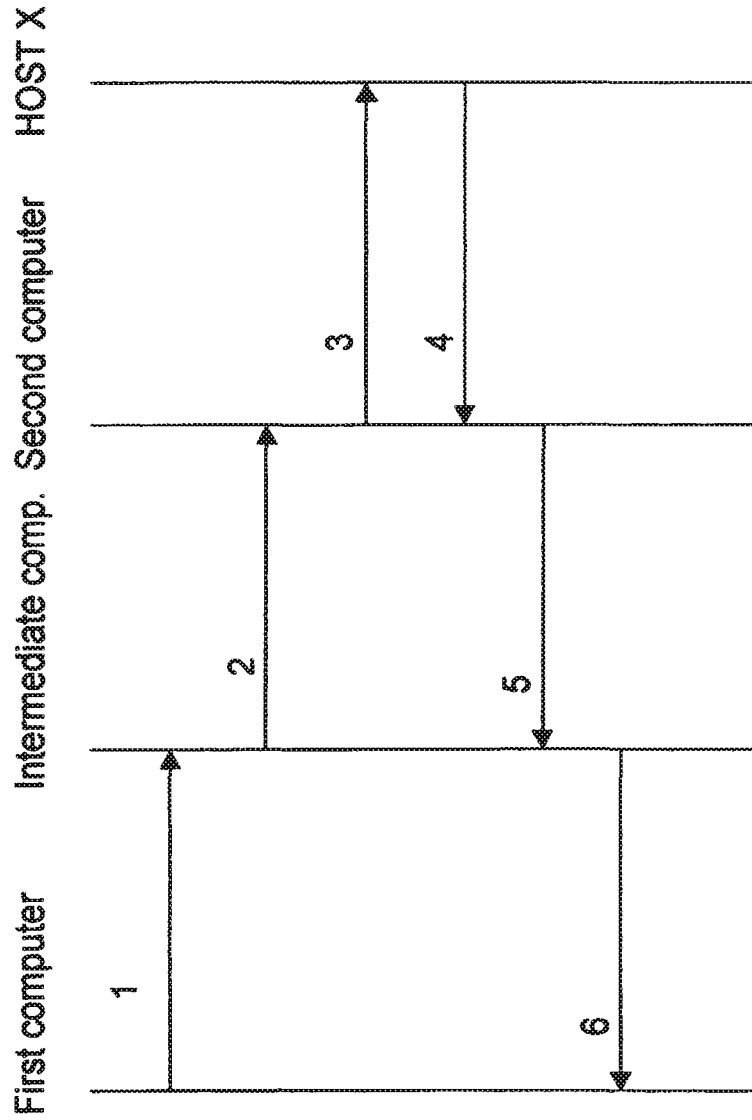


FIG. 2

c-addr-1	c-addr-2	c-SPI-1	c-SPI-2	s-addr-2	s-addr-3	s-SPI-2
195.1.2.3	212.90.65.1	0x80000001	0x12341234	212.90.65.1	103.6.5.4	0x1230012
...

FIG. 3

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