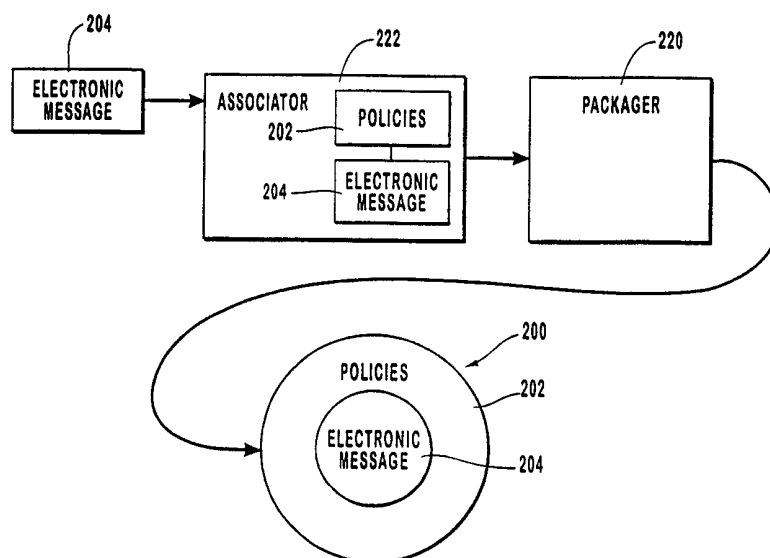




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

|                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  |
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| (51) International Patent Classification <sup>6</sup> :<br><b>G06K 17/00</b>                                                                                                                                                                                                                                                                                                            |  | <b>A3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (11) International Publication Number: <b>WO 00/08794</b>        |
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| (21) International Application Number: PCT/US99/17786                                                                                                                                                                                                                                                                                                                                   |  | (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). |                                                                  |
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| (71)(72) Applicants and Inventors: SENATOR, Steven, T. [US/US]; 8625 Westminster Drive, Colorado Springs, CO 89020 (US). BLUMENTHAL, John [US/US]; 4432 East Emigration Canyon, Salt Lake City, UT 84018 (US). MULLIGAN, M., Geoff [US/US]; 2175 Cloverdale Drive, Colorado Springs, CO 80920 (US). FRASCADORE, Gregory, A. [US/US]; 9505 Morgan Road, Colorado Springs, CO 80908 (US). |  | Published<br>With international search report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  |
| (74) Agents: STRINGHAM, John, C. et al.; Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, UT 84111 (US).                                                                                                                                                                                                                                        |  | (88) Date of publication of the international search report:<br>18 May 2000 (18.05.00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  |

(54) Title: SYSTEMS AND METHODS FOR SECURING ELECTRONIC MESSAGE



## (57) Abstract

System and methods are provided for permitting a sender to control access to an electronic message. The sender selects one or more policies (202) which are packaged (220) with the electronic message (204) to form an object (222). The policies are implemented as computer-executable instructions capable of execution on a remote computer. The recipient can only access the electronic message as dictated by the policies which are in the object. Unauthorized use of the electronic message is substantially prevented and the electronic message remains in the control of the sender.

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US99/17786

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) :G06K 17/00

US CL :709/206

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 709/206

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages     | Relevant to claim No.        |
|-----------|----------------------------------------------------------------------------------------|------------------------------|
| Y         | US 5,325,310 A (JOHNSON ET AL) 28 JUNE 1994, ABSTRACT, COL. 25-32, AND COL. 8, 46-51). | 1-4,6-14,<br>16-27,<br>30-36 |
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☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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