



(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
26.07.2000 Bulletin 2000/30

(51) Int. Cl.⁷: G07B 17/00

(43) Date of publication A2:
03.06.1998 Bulletin 1998/23

(21) Application number: 97120456.5

(22) Date of filing: 21.11.1997

(84) Designated Contracting States:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE
Designated Extension States:
AL LT LV MK RO SI

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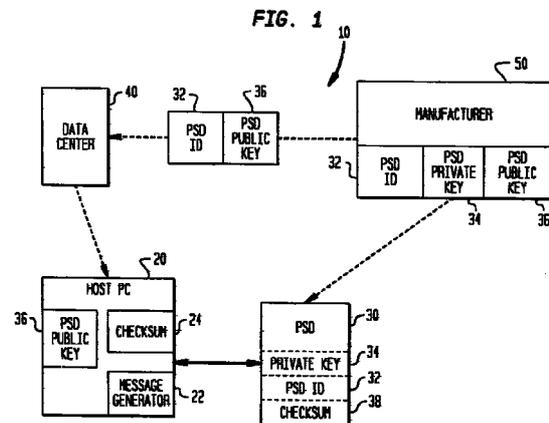
(30) Priority: 21.11.1996 US 754570

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(54) Method for verifying the expected postage security device in a host system

(57) A method to verify in a host system that the expected PSD is coupled to the host. The host system generates a message, such as a random number and sends to the PSD. In one embodiment, the random number is signed in the PSD. The signed number is transmitted to the host where the signature is verified. In an alternate embodiment, the PSD encrypts the number and transmits it to the host system. The host system decrypts the encrypted number and ensures it corresponds with the number originally generated and transmitted to the PSD. Methods for verifying in a PSD that the expected host is coupled to the PSD mirrors the two embodiments for verifying the expected PSD. The generated message may include data indicating status of the PSD based, for example a checksum of PSD transaction records stored in the host system.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 12 0456

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|---|--|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
| Y | "Information Based Indicia Program Host System Specification 'Draft!' 9 October 1996 (1996-10-09), UNITED STATES POSTAL SERVICE XP002137990 * page 7, paragraph 3.1.2 * | 1,4-6, 8-10,13, 15-17, 20,21 | G07B17/00 |
| Y | US 5 299 263 A (BELLER ET AL.) 29 March 1994 (1994-03-29) * column 4, line 3 - line 13 * | 1,4-6, 8-10,13, 15-17 | |
| Y | US 4 802 218 A (WRIGHT ET AL.) 31 January 1989 (1989-01-31) * column 9, line 44 - column 10, line 52 * | 20,21 | |
| A | EP 0 623 903 A (PITNEY BOWES) 9 November 1994 (1994-11-09) * column 4, line 50 - line 58 * * column 7, line 10 - line 58 * | 2,18 | |
| The present search report has been drawn up for all claims | | | TECHNICAL FIELDS SEARCHED (Int.Cl.6) |
| | | | G07B |
| Place of search | Date of completion of the search | Examiner | |
| THE HAGUE | 29 May 2000 | Schofield, C | |
| CATEGORY OF CITED DOCUMENTS | | T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons | |
| X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | & : member of the same patent family, corresponding document | |

EPO FORM 1508 03.82 (P04/C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 97 12 0456

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29-05-2000

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|--|------------------|-------------------------|------------------|
| US 5299263 A | 29-03-1994 | CA 2157011 A,C | 15-09-1994 |
| | | EP 0691055 A | 10-01-1996 |
| | | JP 8507619 T | 13-08-1996 |
| | | WO 9421067 A | 15-09-1994 |
| | | US 5406628 A | 11-04-1995 |
| US 4802218 A | 31-01-1989 | AT 116778 T | 15-01-1995 |
| | | AT 175512 T | 15-01-1999 |
| | | AT 160456 T | 15-12-1997 |
| | | AT 160039 T | 15-11-1997 |
| | | AU 605443 B | 10-01-1991 |
| | | AU 7961287 A | 24-03-1988 |
| | | BR 8707450 A | 06-12-1988 |
| | | CA 1320578 A | 20-07-1993 |
| | | CA 1326911 A | 08-02-1994 |
| | | CA 1335839 A | 06-06-1995 |
| | | CA 1296809 A | 03-03-1992 |
| | | DE 3750958 D | 16-02-1995 |
| | | DE 3750958 T | 08-06-1995 |
| | | DE 3752138 D | 11-12-1997 |
| | | DE 3752138 T | 26-03-1998 |
| | | DE 3752146 D | 02-01-1998 |
| | | DE 3752146 T | 09-04-1998 |
| | | DE 3752247 D | 18-02-1999 |
| | | DE 3752247 T | 10-06-1999 |
| | | DK 228888 A | 17-06-1988 |
| | | EP 0294397 A | 14-12-1988 |
| | | EP 0619563 A | 12-10-1994 |
| | | EP 0619564 A | 12-10-1994 |
| | | EP 0619565 A | 12-10-1994 |
| | | EP 0740275 A | 30-10-1996 |
| | | FI 882047 A,B, | 02-05-1988 |
| | | JP 1500863 T | 23-03-1989 |
| JP 2661932 B | 08-10-1997 | | |
| NO 300660 B | 30-06-1997 | | |
| WO 8801818 A | 10-03-1988 | | |
| US 4864618 A | 05-09-1989 | | |
| US 4900904 A | 13-02-1990 | | |
| US 4900903 A | 13-02-1990 | | |
| EP 0623903 A | 09-11-1994 | US 5884292 A | 16-03-1999 |
| | | CA 2122843 A,C | 07-11-1994 |

EPO FORM P0469

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82