

Title (en)
TIME-STAMPING WITH BINARY LINKING SCHEMES

Title (de)
ZEITSTEMPELUNG MIT BINÄREN VERBINDUNGSSYSTEMEN

Title (fr)
MARQUAGE D'HEURE AVEC SYSTÈMES DE LIAISON BINAIRES

Publication
EP 1105994 A4 20041201 (EN)

Application
EP 99942384 A 19990818

Priority
• US 9919061 W 19990818
• US 9693598 P 19980818
• US 37593599 A 19990817

Abstract (en)
[origin: WO0011828A1] A digital signature certification system creates a nonce and attaches a time to the nonce to create a time stamped nonce uniquely identifying the time stamp then attaches the time stamped nonce to a document, attaches a digital signature to the document, then attaches a time to the document to form a time stamped document, so that the nonce uniquely identifies the signature on the document.

IPC 1-7
H04K 1/00; **H04L 9/00**

IPC 8 full level
G09C 1/00 (2006.01); **H04L 9/32** (2006.01)

CPC (source: EP)
H04L 9/3247 (2013.01); **H04L 9/3297** (2013.01); **H04L 9/50** (2022.05)

Citation (search report)
• [XP] BULDAS, LAUD: "New linking schemes for digital time-stamping", PROCEEDINGS OF 1998 INTERNATIONAL CONFERENCE ON INFORMATION SECURITY AND CRYPTOLOGY, 18 December 1998 (1998-12-18), KOREA, XP002292802, Retrieved from the Internet <URL:http://citeseer.ist.psu.edu/buldas98new.html> [retrieved on 20040817]
• [XD] BAYER, HABER: "Improving the Efficiency and Reliability of Digital Time Stamping", METHODS IN COMMUNICATION, SECURITY AND COMPUTER SCIENCE, 1993, NEW YORK, XP002292803, Retrieved from the Internet <URL:http://citeseer.ist.psu.edu/bayer93improving.html> [retrieved on 20040817]
• [XD] HABER, STORNETTA: "How to Time-stamp a Digital Document", JOURNAL OF CRYPTOLOGY, vol. 3, no. 2, 1991, pages 99 - 111, XP002292804, Retrieved from the Internet <URL:http://citeseer.ist.psu.edu/haber91how.html> [retrieved on 20040817]
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• See references of WO 0011828A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0011828 A1 20000302; **WO 0011828 A8 20000602**; **WO 0011828 A9 20000817**; AU 5577599 A 20000314; CN 1319290 A 20011024; EP 1105994 A1 20010613; EP 1105994 A4 20041201; JP 2002530709 A 20020917

DOCDB simple family (application)
US 9919061 W 19990818; AU 5577599 A 19990818; CN 99811241 A 19990818; EP 99942384 A 19990818; JP 2000583317 A 19990818