TIME STAMPING SYSTEM FOR ELECTRONIC DOCUMENTS AND PROGRAM MEDIUM FOR THE SAME

ABSTRACT OF THE DISCLOSURE

Object: To provide a time stamping system for electronic documents making it possible to easily provide a time stamp certifying date and time of a document prepared with general purpose document preparation software and also to easily and accurately verify the time data and a program medium for the same.

Solution: The electronic document preparing organization 20 at a client site has a first document preparation terminal device 30 and a second document preparation terminal device 40. When the document preparation terminal device 30 transmits the prepared document and a time stamp request message 31 to the time stamp issuing server 12, and time stamp issuing server 12 assigns electronic signatures with the signature generation secret keys K_{s1}, K_{s2} and returns the data to the document preparation terminal device 30. The document preparation terminal device 40 a document file with the time stamp received from the terminal device 30 assigned therein and a time stamp verification request message 41 to the time stamp verification server 13. The time stamp verification server 13 verifies the time stamp with the signature verification secret key K_{v2}, and returns a result of the verification. The terminal device 30 and the terminal device 40 can verify the signature and the result of verification respectively with the signature verification public key K_{v1}.

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