

[0046] FIG. 4 is a flowchart representing a segment of a program executed by the securities company's computer according to the embodiment depicted in FIG. 3.

[0047] FIG. 5 is a flowchart representing a segment of a program executed by the investor's computer according to the embodiment depicted in FIG. 3.

[0048] FIG. 6 is a block diagram of the overall structure of an alternative embodiment of the present invention.

[0049] FIG. 7 is a block diagram showing greater detail of the printer depicted in FIG. 6.

[0050] FIG. 8 is a flowchart representing a segment of a program executed by the securities company's computer according to the embodiment depicted in FIG. 6.

[0051] FIG. 9 is a flowchart representing a segment of a program executed by the investor's computer according to the embodiment depicted in FIG. 6.

[0052] FIG. 10 shows a table of three kinds of fixed rate financing instruments of the invention including the one for an Odaiba Casino Project.

[0053] FIG. 11 shows a table of three kinds of fixed rate financing instruments of the invention including the one for a Japanese Highway Project.

[0054] FIG. 12 shows a table of two kinds of fixed rate financing instruments of the invention.

[0055] FIG. 13 shows a hardware block diagram of the issuing machine according to the invention.

[0056] FIG. 14 shows an example of a printed security with a cryptographic checksum according to the invention.

[0057] FIG. 15 Example of scan of a security printed on paper with embedded fibers (in practice there would be many more embedded fibers)

[0058] FIG. 16 Procedure executed by ASD 105 computer upon customer's buy request

[0059] FIG. 17 Procedure executed by ASD 105 computer upon customer "sell" request

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0060] FIGS. 10-12 show examples of the fixed rate financing instruments which offer a dividend or are partially guaranteed by a third party to issuance as disclosed in U.S. patent application Ser. No. 11/148,406 filed on Jun. 9, 2005, which is incorporated herein by reference.

[0061] The fixed rate financing instrument has at least one issuing legal entity specified thereon which issues the financing instrument as evidence of debt to acquire funds to finance at least one operation, a face value specified thereon to be paid to the issuing legal entity in exchange for owning the financing instrument, a fixed interest rate specified thereon defining periodical interest payments to an instrument holder as a percentage of the face value, and at least one of (1) a guarantee ratio g being defined as a percentage of the interest payments and the face value to be paid back to the instrument holder as committed by at least one third party to issuance, if the legal entity defaults, $0 < g < 100$, and (2) at least one of a fixed-rate dividend d and a fixed-amount dividend to be paid to the instrument holder after an opera-

tion financed through the financing instrument starts making profits, the fixed-rate dividend d being defined as a percentage of the profits to be paid to the instrument holder periodically, $0 < d < 100$.

[0062] The security is a note, a stock, a treasury stock, a bond, a debenture, a certificate of interest or participation in a profit-sharing agreement or in oil, gas, or mineral royalty or lease, a collateral trust certificate, a pre-organization certificate or subscription, a transferable share, an investment contract, a voting-trust certificate, a certificate of deposit, for a security, a put, call, straddle, option, or privilege on a security, certificate of deposit, or group or index of securities, or a put, call, straddle, option, or privilege entered into on a national securities exchange relating to foreign currency, or an instrument commonly known as a 'security'; or a certificate of interest or participation in, temporary or interim certificate for, receipt for, or warrant or right to subscribe to or purchase, any of the foregoing; but shall not include currency or any note, draft, bill of exchange, or banker's acceptance which has a maturity at the time of issuance of not exceeding nine months, exclusive of days of grace, or any renewal thereof the maturity of which is likewise limited.

[0063] A document contains information. It is usually intended to communicate or store collections of data. Documents could be seen to include any discrete representation of meaning, but usually it refers to something like a physical book, printed page(s) or a virtual document in electronic/digital format. A hardcopy document has content printed thereon, usually on paper, rather than contents read from a screen/display or data in a digital format. Examples of a hardcopy document includes teleprinter pages, facsimile pages, and computer printouts. Magnetic tapes, diskettes, and non-printed punched paper tapes are not a hard copy and do not constitute a part of a hardcopy document.

[0064] A certificate is an official document that gives proof and details of something, for example, personal status, educational achievements, ownership, or authenticity, such as a securities certificate, a certificate of deposit (CD). In computing and especially computer security and cryptography, the word certificate generally refers to a digital identity certificate, also known as a public key certificate.

[0065] FIG. 1 is a securities and financing instruments issuing system according to one embodiment of the invention. As shown in FIG. 1, the securities issuing system according to this embodiment is equipped with: a server 101 in a securities issuing institution, which may be an underwriter or a private corporation (including a private enterprise responsible for executing a public work project), that issues securities (including the unique fixed rate financing instruments, for example, as shown in FIGS. 10-12) based on bids or securities purchase offers; a client device 103 in each user institution (including securities brokerage companies, banks, credit card companies, PayPal®, or any financial institutes that keep accounts of the general public), which is connected to the server via a communications link 102 such as, but not limited to a telephone line or a wireless link; a securities issuing machine 105 (also referenced as an Automated Securities Dispenser, ASD), which may be located in each securities issuing site and which is connected to the server 101 via a communications line 102; and an identification (ID) recording media 106.