

SPECIFICATION

FINANCIAL INFORMATION OUTPUT APPARATUS, FINANCIAL
INFORMATION OUTPUT METHOD, AND FINANCIAL INFORMATION OUTPUT
5 PROGRAM OUTPUTTING FINANCIAL INFORMATION IN PRESCRIBED
FORMAT

TECHNICAL FIELD

[0001]

10 The present invention belongs to the technical fields
of financial information output apparatuses, financial
information output methods, and financial information output
programs. More specifically, the present invention belongs
to the technical fields of financial information output
15 apparatuses, financial information output methods, and
financial information output programs for displaying or
printing and outputting financial information in, for
example, a prescribed format as a financial report.

20 BACKGROUND ART

[0002]

In general, in a case where creating a valuation report
for a private company, the number of calculation formulae
reaches more than 60,000 due to the variety of parameters
25 related to comparable companies and finance, and it takes a
lot of time and effort for creation, for example, highly
specialized and complicated calculation or data processing

becomes necessary, and manual input and calculation formulae are frequently input incorrectly. As a result, an unnecessarily large amount of paper is printed, corrected, and discarded. Examples of documents disclosing the prior art made in view of such problems include Patent Document 1 below. Patent Document 1 discloses an invention for easily acquiring a value of a desired item from financial reports having a plurality of different formats to create one financial report.

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CITATION LIST

PATENT DOCUMENT

[0003]

Patent Document 1: Japanese Patent Application Laid-Open
Publication No. JP 2019-169182 A

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DISCLOSURE OF INVENTION

PROBLEMS TO BE SOLVED BY THE INVENTION

[0004]

However, the invention described in Patent Document 1 described above does not take into account facilitation of creation of the valuation report of the desired item described above, and the problems of the time and effort required to create the valuation report itself and large amounts of printing and inefficient use of paper remain unsolved.

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25

[0005]

Therefore, the present invention has been made in view of the problems described above, and an example of the object is to provide a financial information output apparatus, a financial information output method, and a financial information output program that can quickly output even a valuation report including complicated financial information as a valuation report of a general-purpose format, thereby reducing manual processes and repeatedly printing a valuation report to eliminate the need of correction.

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SOLUTIONS TO THE PROBLEMS

[0006]

In order to solve the above-described object, an invention according to claim 1 comprises: a precondition information acquisition means configured to acquire precondition information indicating preconditions for creating a valuation report corresponding to a target company; a financial statement information acquisition means configured to acquire financial statement information indicating contents of financial statements of the target company that should be reflected in the valuation report; a reception means configured to receive selections of comparable companies and financial parameters that should be reflected in the valuation report; a calculation means configured to calculate financial report information based on the financial parameter and information of the comparable company each selected by the received selections using each

of the acquired precondition information and financial statement information; a conversion means configured to convert the calculated financial report information into financial report data in a general-purpose format; and an
5 output means configured to output the converted financial report data as the valuation report.

[0007]

In order to solve the above-described object, an invention according to claim 6 is a financial information
10 output method executed in a financial information output apparatus comprising a precondition information acquisition means, a financial statement information acquisition means, a reception means, a calculation means, a conversion means, and an output means, the financial information output method
15 comprising: a precondition information acquisition step of acquiring, by the precondition information acquisition means, precondition information indicating preconditions for creating a valuation report corresponding to a target company; a financial statement information acquisition step
20 of acquiring, by the financial statement information acquisition means, financial statement information indicating contents of financial statements of the target company that should be reflected in the valuation report; a reception step of receiving, by the reception means, selections of comparable companies and financial parameters
25 that should be reflected in the financial report; a calculation step of calculating, by the calculation means,

financial report information based on the financial parameter and information of the comparable company each selected by the received selections using each of the acquired precondition information and financial statement information; a conversion step of converting, by the conversion means, the calculated financial report information into financial report data in a general-purpose format; and an output step of outputting, by the output means, the converted financial report data as the valuation report.

10 [0008]

In order to solve the above-described object, an invention according to claim 7 causes a computer included in a financial information output apparatus comprising an output means to function as: a precondition information acquisition means configured to acquire precondition information indicating preconditions for creating a valuation report corresponding to a target company; a financial statement information acquisition means configured to acquire financial statement information indicating contents of financial statements of the target company that should be reflected in the valuation report; a reception means configured to receive selections of comparable companies and financial parameters that should be reflected in the valuation report; a calculation means configured to calculate financial report information based on the financial parameter and information of the comparable company each selected by the received selections using each

of the acquired precondition information and financial statement information; a conversion means configured to convert the calculated financial report information into financial report data in a general-purpose format; and an
5 output control means configured to cause the output means to output the converted financial report data as the valuation report.

[0009]

According to the invention according to any one of claim
10 1, 6 or 7, preconditions for creating a financial report and contents of financial statements of a target company that should be reflected in the financial report are respectively acquired and used to calculate financial report information based on the information of comparable companies and
15 financial parameters that should be reflected in the financial report, the financial report information is converted into financial report data in a general-purpose format, and the converted financial report data is output as the financial report. Therefore, it is possible to quickly
20 output the financial report including complicated financial information as a report in a general-purpose format while reflecting the free selections of comparable companies and financial parameters. As a result, it is possible to reduce manual processes and repeatedly print the financial report
25 so that it is not necessary to make corrections.

[0010]

In order to solve the above-described object, an

invention according to claim 2 is the financial information output apparatus according to claim 1, further comprising: a comparable company financial information acquisition means configured to acquire financial information of the comparable companies that should be reflected in the valuation report, wherein the calculation means further uses the acquired financial information to calculate the financial report information based on the financial parameters selected by the received selections.

10 [0011]

According to the invention according to claim 2, in addition to the operation of the invention of claim 1, the financial information of a public company that should be reflected in the financial report is further acquired, and the financial information is further used to calculate the financial report information through an automatic numerical inspection function such that a more reliable financial report can be quickly output as a report in a general-purpose format while reflecting the free selections of comparable companies and financial parameters.

20 [0012]

In order to solve the above-described object, an invention according to claim 3 is the financial information output apparatus according to claim 1 or 2, wherein the conversion means fixes an output mode as the financial report data by using a template preset for each page of the valuation report for output of the valuation report, and

converts the financial report information into the financial report data.

[0013]

According to the invention according to claim 3, in addition to the operation of the invention of claim 1 or 2, the output mode as the financial report data is fixed using a template that is set for each page of a valuation report for the output of the valuation report, and the financial report information is converted into the financial report data. Therefore, the output mode of the financial report data as a report in a general-purpose format can be prevented from being changed (disturbed) depending on the content of the financial report information itself and, at the time of its output, it is possible to prevent the template from being broken.

[0014]

In order to solve the above-described object, an invention according to claim 4 is the financial information output apparatus according to claim 3, wherein the conversion means converts the financial report information into the financial report data while excluding an amount of the financial report information that exceeds an amount prescribed for each of the pages as the template.

[0015]

According to the invention according to claim 4, in addition to the operation of the invention of claim 3, since the financial report information is converted into the

financial report data while the amount of financial report information exceeding the amount set for each page of the valuation report as the template is excluded, the financial report information that is not required as a financial report is excluded such that the financial report data can be quickly output.

[0016]

In order to solve the above-described object, an invention according to claim 5 is the financial information output apparatus according to any one of claims 1 to 4, wherein the output means outputs the converted financial report data for each page of the valuation report.

[0017]

According to the invention according to claim 5, in addition to the operation of the invention of any one of claims 1 to 4, financial report data is output for each page of the valuation report, and therefore a report in a general-purpose format can be output for each of the pages.

20 EFFECTS OF THE INVENTION

[0018]

According to the present invention, preconditions for creating a financial report and contents of financial statements of a target company that should be reflected in the financial report are acquired and used to calculate financial report information based on the information of comparable companies and financial parameters that should be

reflected in the financial report, the financial report information is converted into financial report data in a general-purpose format, and the converted financial report data is output as the financial report.

5 [0019]

Therefore, it is possible to quickly output the financial report including complicated financial information as a report in a general-purpose format while reflecting the free selections of comparable companies and financial
10 parameters. As a result, it is possible to reduce manual processes and repeatedly print the financial report so that it is not necessary to make corrections.

BRIEF DESCRIPTION OF THE DRAWINGS

15 [0020]

Fig. 1 is a block figure showing an overview configuration of a valuation report output system of an embodiment.

Fig. 2 is a flowchart showing valuation report output
20 processing of an embodiment.

Fig. 3 is a conceptual figure explaining report-making processing of an embodiment.

Fig. 4 is a figure (I) showing an output example of a valuation report of an embodiment.

25 Fig. 5 is a figure (II) showing an output example of a valuation report of an embodiment.

Fig. 6 is a figure (III) showing an output example of a

valuation report of an embodiment.

EMBODIMENT FOR CARRYING OUT THE INVENTION

[0021]

5 Next, an embodiment for carrying out the present invention will be described on the basis of the drawings. Note that the embodiment described below is an embodiment of the case where the present invention is applied to, for example, a valuation report provision system that creates
10 online a valuation report of a target company, which is a private company, and provides it to the user.

[0022]

 Further, Fig. 1 is a block figure showing an overview configuration of a valuation report output system of an
15 embodiment, Fig. 2 is a flowchart showing valuation report output processing of an embodiment, Fig. 3 is a conceptual figure explaining report-making processing of an embodiment, and Figs. 4 to 6 are figures showing an output example of a valuation report of an embodiment.

20 [0023]

 (I) Regarding outline of configuration and operation of valuation report output system of embodiment

 As shown in Fig. 1, a valuation report output system S according to the embodiment is configured to include a user
25 terminal T1, a user terminal T2, a user terminal T3, ... and a user terminal Tn (n is a natural number. The same applies below), which are used by respective users, a server

apparatus SV of the embodiment, an external information server GV, and a network NW such as the Internet. Note that, in the following description, when the matters common to the user terminal T1, the user terminal T2, the user terminal T3, ..., and the user terminal Tn are described, these are collectively referred to as the "user terminal T". At this time, the external information server GV is an external information server that accumulates and provides public company financial data including financial statements of public companies or the like for each public company. Then, each user terminal T, the server apparatus SV, and the external information server GV are connected so that various data can be exchanged via the network NW. Note that, specifically, the user terminal T is realized by a personal computer, a tablet terminal, or the like operated by the corresponding user. Then, the server apparatus SV described above corresponds to an example of the "financial information output apparatus" of the present invention. Moreover, the valuation report output processing of the embodiment is executed mainly by the server apparatus SV.

[0024]

Next, the server apparatus SV is configured to include a communication unit 1, a processing unit 2 including a CPU, a ROM (Read Only Memory), a RAM (Random Access Memory), or the like, an operation unit 3 including a keyboard, a mouse, or the like, a display 4 including a liquid crystal display or the like, and a recording unit 5 including an HDD (Hard

Disc Drive), an SSD (Solid State Drive), or the like. At this time, the communication unit 1 described above respectively corresponds to an example of the "precondition information acquisition means", an example of the "financial statement information acquisition means", an example of the "reception means", and an example of the "comparable company financial information acquisition means" of the present invention, and the processing unit 2 respectively corresponds to an example of the "calculation means", an example of the "conversion means", and an example of the "output means" of the present invention.

[0025]

In the above configuration, the communication unit 1 controls the exchange of data between each user terminal T and the external information server GV via the network NW under the control of the processing unit 2. Further, the recording unit 5 non-volatilely records a program, various data, parameters, or the like necessary for executing the valuation report output processing of the embodiment described later. On the other hand, when a necessary operation is performed by the administrator of the server apparatus SV or the like in the operation unit 3, the operation unit 3 generates an operation signal corresponding to the operation and outputs the operation signal to the processing unit 2. As a result, the processing unit 2 mainly executes the valuation report output processing of the embodiment based on the operation signal from the operation

unit 3. At this time, the processing unit 2 displays the necessary information on the display 4 and presents it to the administrator or the like described above.

[0026]

5 On the other hand, each user terminal T is configured to include a communication unit 10, a processing unit 11 including a CPU, a ROM, a RAM, or the like, an operation unit 12 including a keyboard, a mouse, or the like, a display 13 including a liquid crystal display or the like, and a
10 recording unit 14 including an HDD, an SSD, or the like.

[0027]

In the above configuration, the communication unit 10 controls the exchange of data with respect to the server apparatus SV via the network NW. Further, the recording
15 unit 14 records a program or the like required for processing according to the embodiment as the user terminal T. On the other hand, when a necessary operation is performed by the user described above in the operation unit 12, the operation unit 12 generates an operation signal corresponding to the
20 operation and outputs the operation signal to the processing unit 11. As a result, the processing unit 11 mainly executes the processing of the embodiment as the user terminal T based on the operation signal from the operation unit 12.

[0028]

25 (II) Regarding valuation report output processing of embodiment

Next, the valuation report output processing of the

embodiment, which is mainly executed mainly by the processing unit 2 of the server apparatus SV, will be described with reference to Figs. 2 to 6. Note that the valuation report output processing of the embodiment is started, for example, from the timing when the power of the server apparatus SV of the embodiment is turned on.

[0029]

As shown in Fig. 2, in the valuation report output processing of the embodiment, the processing unit 2 of the server apparatus SV first acquires target company data corresponding to, for example, a private target company which is a creation target of the valuation report from the user terminal T used by the user for which the output of the valuation report is desired (step S1). This target company data is data input by the user in the user terminal T in order to create a record or the like of the target company in the recording unit 5, for example, and is acquired from the user terminal T via the network NW. More specifically, examples of the target company data include data indicating the status of the target company (status of either a public company or a private company), data indicating the name of the target company, data indicating the name of the parent company in a case where the target company has a parent company, data indicating the name of the country in which the target company is, for example, registered, data indicating the reporting currency of the target company, data indicating the unit of the currency, for example, by

1,000, 1 million, 1 billion, 1 trillion, data indicating the percentage of ownership of the target company, data indicating the sector of the target company, or the like.

[0030]

5 After the target company data is acquired in step S1 described above, the processing unit 2 then acquires precondition data indicating the preconditions (so-called Assumptions) for creating the valuation report to be output from the user terminal T used by the user described above
10 (step S2). This precondition data is data indicating the above preconditions input by the user at the user terminal T, and is acquired from the user terminal T via the network NW.

[0031]

15 Here, examples of the information included in the precondition includes information indicating the valuation date for creating the valuation report, information indicating the company name, information indicating the country to which the target company belongs, and the
20 information indicating the reporting currency of the target company, information indicating the currency unit of the target company to be reflected in the valuation report, information indicating the sector of the target company, information indicating the effective tax rates of the target
25 company, information indicating the end of the latest quarter of the target company, information indicating the end of the latest fiscal year of the target company, information

indicating the reference period of the target company for comparable transactions and public offerings, information indicating the number of comparable transactions in the sector and the country of the target company during the reference period, information indicating the number of public offerings in the sector and the country of the target company during the reference period, information indicating the yield of zero-rate government bonds of the target company's country, information indicating the total number of shares issued of the target company, information indicating the number of treasury shares of the target company, and information indicating the net operating losses of the target company.

[0032]

Next, the processing unit 2 acquires financial statement data indicating the financial statements of the target company described above necessary for creating the valuation report to be output from the user terminal T which is the acquisition source of the precondition data described above (step S3). This financial statement data is data indicating the above financial statements corresponding to the current financial status of the target company described above, and is acquired from the user terminal T via the network NW.

[0033]

Here, the information included in the financial statements includes, for example,

(i) in the income statement of the target company

described above, information indicating sales, information indicating EBIT (Earnings Before Interest and Taxes), information indicating interest expense, and information indicating net income,

5 (ii) in the balance sheet of the target company, information indicating cash and cash equivalents, information indicating current assets, information indicating fixed assets, information indicating current liabilities, information indicating fixed liabilities,
10 information indicating interest-bearing debt, information indicating shareholders' equity, information indicating accumulated other comprehensive income, information indicating minority interests, and information indicating total assets, and

15 (iii) in the cashflow statement of the target company, information indicating depreciation and amortization and information indicating capital expenditure.

[0034]

Next, the processing unit 2 acquires information of
20 public comparable companies (hereinafter, simply referred to as "comparable companies") selected to be used for creating the valuation report to be output from the user terminal T, which is the acquisition source of the precondition data and the financial statement data described above (step S4). The
25 information of these comparable companies is the information of the comparable companies selected in the user terminal T described above that should be used in creating the valuation

report, and is acquired from the user terminal T via the network NW.

[0035]

Next, the processing unit 2 acquires financial data
5 regarding the comparable companies described above (public
company financial data including financial statements of the
comparable companies) selected for creating the financial
report at the user terminal T, which is the acquisition
source of the precondition data described above, the
10 financial statement data described above, and the
information of the comparable companies described above from
the external information server GV at the same time as the
acquisition of the information or the like of the comparable
companies described above (step S4). Note that, in the
15 following description, the financial data acquired from the
external information server GV is simply referred to as the
“external financial data”. This external financial data is
acquired from the external information server GV via the
network NW.

20 [0036]

Then, the processing unit 2 uses the precondition data
acquired in step S2 described above, the financial statement
data acquired in step S3 described above, and the information
of comparable companies and the external financial data
25 acquired in step S4 described above to calculate each value
that should be described or represented by a graphic or the
like regarding its content in the financial report based on

a mathematical formula such as a preset formula regarding the financial statement data or the like (step S5).

[0037]

Next, the processing unit 2 generates/acquires a
5 financial parameter corresponding to each value (or reflecting each value) calculated in step S5 and that should be used in creating the valuation report (step S6). The specific content of this financial parameter and its value (including the initial value) are recorded in, for example,
10 the recording unit 5. Then, the processing unit 2 again generates/acquires the financial parameter corresponding to each value calculated in step S5.

[0038]

Here, examples of specific contents of the financial
15 parameter include a reference period of stock price of public companies as the comparable companies, selection of enterprise value/sales multiples, selection of enterprise value/EBITDA multiples, selection of enterprise value/EBIT multiples, selection of PER (Price Earnings Ratio),
20 selection of PBR (Price Book-value Ratio), upper limit of enterprise value/sales multiples, upper limit of enterprise value/EBITDA multiples, upper limit of enterprise value/EBIT multiples, upper limit of PER, upper limit of PBR, a reference period of comparable transactions and public
25 offerings, country to which the target company belongs in comparable transactions and public offerings, overwriting of risk premium, overwriting of a liquidity discount, selection

of adoption of DCF (Discount Cash Flow) permanent growth rate method, overwriting of perpetuity growth rate, overwriting of perpetuity growth rate sensitivity, selection of adoption of the exit multiple method, overwriting of an exit multiple, overwriting of exit multiple sensitivity, overwriting of WACC (Weighted Average Cost of Capital), WACC as capital structure based on the target company's D/E ratio (Debt Equity Ratio), WACC as capital structure based on the target company's net D/E ratio, WACC as capital structure based on the D/E ratio of comparable companies , and WACC as capital structure based on the net D/E ratio of the comparable companies.

[0039]

Then, the processing unit 2 transmits the financial parameter generated/acquired in step S6 in association with the calculation results of each value in step S5 to the user terminal T, which is the acquisition source of the precondition data or the like described above, via the network NW, and causes the financial parameters to be previewed on the display 13 of the user terminal T, which is the transmission destination, and confirmed by the user of the user terminal T (step S7). Then, the processing unit 2 confirms whether or not the operation unit 12 of the user terminal T has executed the operation to the effect that the adjustment of the information of the comparable companies and/or the financial parameters has been ended (step S8). In the confirmation of step S8, when the operation to the

effect that the adjustment has not been ended is performed (step S8: NO), the processing unit 2 responds to the calculation result that is being previewed (see step S7) and receives the adjustment operation of the information of the comparable companies and/or the financial parameters by the user input using the operation unit 12 of the user terminal T (step S9). The result of the adjustment operation in step S9 is acquired by the processing unit 2 via the network NW. Then, the processing unit 2 returns to the step S5 described above, and repeats the processing of the steps S5 to S8 described above using the adjustment of the information of the comparable companies and/or the financial parameters reflecting the content of the adjustment operation received in step S9. At this time, the preview display of step S7 described above may be performed using the display 4 of the server apparatus SV, and the adjustment operations of steps S8 and S9 described above for the content may be performed by the administrator or the like described above using the operation unit 3 of the server apparatus SV.

20 [0040]

On the other hand, in the confirmation of step S8, in a case where the operation unit 12 of the user terminal T performs an operation to the effect that the adjustment of the information of the comparable companies and/or the financial parameters has been ended, and when it is received by the processing unit 2 (step S8: YES), the processing unit 2 executes report-making processing that processes the

processing results of steps S5 to S9 described above into a format as a valuation report (step S10), and records the results in the recording unit 5 (step S11). In the report-making processing of step S10, the processing unit 2 first
5 converts the calculation result of step S5 described above, in which the information of the comparable companies and/or the financial parameters have been adjusted, into JSON (JavaScript (registered trademark) Object Notation) data. Then, the processing unit 2 saves the JSON data on a user
10 interface, processes the JSON data in HTML (Hyper Text Markup Language) that cites the calculation results required for each page of the valuation report described above, and generates financial report data in the format of JSON data processed by the HTML. Then, the processing unit 2 applies
15 the HTML, which is the financial report data, to a template generated in advance using CSS (Cascading Style Sheet) so as to correspond to the format as the valuation report of the embodiment, further processes and converts it into the format of the valuation report, and executes the report-making
20 processing described above to the valuation report of the embodiment. At this time, in the report-making processing of step S10, a format that is generally used in computer processing (for example, PDF (Portable Document Format): The generally used format is hereinafter simply referred to as
25 the "general-purpose format") is used to generate report data corresponding to the valuation report described above.
[0041]

Here, the report-making processing of step S10 described above will be described more specifically with reference to Fig. 3. That is, in the report-making processing, first, the recording unit 5 records, for the corresponding number of pages, a template TP generated in advance using a CSS for fixation of the position/size and the description position of the section in which various data on each page constituting the valuation report of the embodiment are described, the color and size of fonts to be used when described, the shape and color of figures to be described, and the number of rows/columns, colors, and the like, of tables to be described. As a result, as shown in Fig. 3, the processing unit 2 uses a library (tool) 20 that operates on a specific preset browser, applies the above-mentioned financial report data 21 having the above-mentioned HTMLized JSON data format to the template TP corresponding to the page by reading the template TP from the recording unit 5, and generates page data group PP including page data P1, ..., and page data Pm for each page (page data group PP as the valuation report of the embodiment). At this time, the processing unit 2, in a case where, for example, the data of the table included in the financial report data 21 is table data having the number of rows or columns exceeding the number of rows or columns specified in advance in the template TP corresponding to the table, generates the page data P1 or the like while ignoring the excess rows or columns (i.e., excluding the excess rows or columns). Next, the

processing unit 2 fixes the display mode by using CSS format display style setting data 22 for fixation according to the displayed general-purpose format on the display 13 of the user terminal T of the page data group PP including each
5 page data P1 and the like (that is, fixation for preventing the display format from collapsing in the general-purpose format). Then, the processing unit 2 further fixes the printing mode by using CSS format printing style setting data 23 for fixation according to the general-purpose format
10 in the printing mode for printing output in the user terminal T of the page data group PP (that is, fixation for preventing the printing format from collapsing in the general-purpose format). As the display style setting data 22 and the printing style setting data 23, those recorded in the
15 recording unit 5 in advance are read out by the processing unit 2 and used. By the above series of processing, the report data 24 for display or printing using the general-purpose format described above on the user terminal T is generated. Then, the processing unit 2 records the generated
20 report data 24 in the recording unit 5 (step S11), and makes it available for processing of step S12 and subsequent steps described later. At this time, the processing unit 2 can extract the report data 24 for each page of the valuation report (see Fig. 3) and record it in the recording unit 5,
25 for example, depending on the operation or the like in the operation unit 3.

[0042]

Finally, the processing unit 2 transmits the report data 24 generated in step S10 described above and recorded in the recording unit 5 in step S11 to the user terminal T that has transmitted the precondition data and the like described above, and causes the report data 24 to be displayed on the display 13 of the user terminal T or printed and output by a printer, which is not shown, connected to the user terminal T (step S12). Note that in a case where the record (save) of the report data 24 is specified by the user terminal T, the processing unit 2 records the transmitted report data 24 in the recording unit 5 for each user terminal T. Further, the processing unit 2 may execute the processing of step S12 described above for each page of the valuation report.

[0043]

Here, examples of the mode of the valuation report displayed on the user terminal T in step S12 described above include display of an entire financial report R1 including the preconditions described above shown in Fig. 4, display of comparison (COMPETITIVE LANDSCAPE) R2 with the financial status of comparable (competitor) companies shown in Fig. 5, or display of enterprise value (ENTERPRISE VALUE) R3 shown in Fig. 6.

[0044]

Then, the processing unit 2 determines whether as having received an instruction from the user terminal T displaying the above-mentioned valuation report or the like to end the valuation report output processing of the example or the

like so as to determine whether to end the valuation report output processing of the example (step S13). In the determination of step S13, when the valuation report output processing of the example is continued (step S13: NO), the processing unit 2 executes the processing of step S1 and the subsequent steps described above. Note that examples of the case of continuing the valuation report output processing of the example include continuation of the valuation report output processing by changing the preconditions described above or by changing the information of the comparable companies described above and the financial parameters described above. On the other hand, in the determination of step S13, when the valuation report output processing of the example is ended (step S13: YES), the processing unit 2 ends the valuation report output processing.

[0045]

As respectively described above, by the valuation report output processing of the embodiment, the preconditions for creating the valuation report and the contents of the financial statements of the target company are respectively acquired, these are used to calculate each numerical value such as enterprise value, equity value, equity value per share and the like based on the information of comparable companies and the financial parameters that should be reflected in the valuation report, the calculation result is converted into the report data 24 in a general-purpose format, and the converted report data 24 is output as the valuation

report. Therefore, it is possible to output the valuation report including complicated financial information as a report in a general-purpose format while reflecting the free selections of financial parameters. As a result, it is possible to reduce manual processes and repeatedly print the valuation report so that it is not necessary to make corrections.

[0046]

Further, external financial data of comparable companies that should be reflected in the valuation report can further be acquired, the report data 24 can be calculated by further using the external financial data, and more reliable financial report can be output as a report in a general-purpose format through an automatic numerical inspection function while reflecting the free selections of financial parameters.

[0047]

Moreover, the mode of display or printing as the report data 24 is fixed using the template TP that is set for each page of the valuation report for the output of the valuation report, and the financial report data 21 is converted into the report data 24. Therefore, the output mode of the report data 24 as a report in a general-purpose format can be prevented from being changed (disturbed) depending on the content of the financial report data 21 itself and, at the time of its output, it is possible to prevent the template TP from being broken.

[0048]

Moreover, further, since the financial report data 21 is converted into the report data 24 while, for example, the financial report data 21 with the number of rows exceeding
5 the number of rows in the table, which is specified for each page of the valuation report as the template TP is excluded, by excluding the financial report data 21 that is not required as a financial report, the financial report data 21 can be quickly converted into the report data 24.

10 [0049]

Note that in a case where a target company is newly added as an assumption for the valuation report output processing of the above-described embodiment, the precondition described above corresponding to the new
15 company is selected/input on the user terminal T. As a result, the processing unit 2 of the server apparatus SV acquires the precondition data corresponding to the input precondition, and executes the valuation report output processing of the example for the new creation target (target
20 company).

[0050]

Further, a program corresponding to the flowchart shown in Fig. 2 is recorded on a recording medium such as an optical disk, or acquired and recorded via the network NW,
25 and read out and executed by a general-purpose microcomputer or the like, such that the microcomputer or the like can be caused to function as the processing unit 2 of the embodiment.

[0051]

Further, in the above-described embodiment, the case where the present invention is applied to the output processing of the valuation report has been described, but
5 in addition to this, the present invention can also be widely applied to the output processing of general financial reports including the valuation report and other financial-related documents and the like.

[Industrial Applicability]

10 [0052]

As described above, the present invention can be used in the field of valuation report output systems, and when the present invention is applied, in particular, to the field of valuation report output systems that create a valuation
15 report of a private target company in association with the external financial data of public companies as comparable companies, a particularly remarkable effect can be obtained. Further, in addition to the valuation report, all calculation results can be converted into JSON data and processed with
20 CSS/HTML into a general-purpose format such as PDF format so as to be output as reports in various formats.

DESCRIPTION OF REFERENCE NUMERALS

[0053]

25 1, 10 Communication unit
2, 11 Processing unit
3, 12 Operation unit

	4, 13	Display
	5, 14	Recording unit
	20	Library
	21	Financial report data
5	22	Display style setting data
	23	Printing style setting data
	24	Report data
	S	Valuation report output system
	T	User terminal
10	SV	Server apparatus
	GV	External information server
	NW	Network
	TP	Template
	P1, Pm	Page data
15	PP	Page data group

CLAIMS

1. A financial information output apparatus comprising:

5 a precondition information acquisition means configured to acquire precondition information indicating preconditions for creating a valuation report corresponding to a target company;

10 a financial statement information acquisition means configured to acquire financial statement information indicating contents of financial statements of the target company that should be reflected in the valuation report;

a reception means configured to receive selections of comparable companies and financial parameters that should be reflected in the valuation report;

15 a calculation means configured to calculate financial report information based on the financial parameter and information of the comparable company each selected by the received selections using each of the acquired precondition information and financial statement information;

20 a conversion means configured to convert the calculated financial report information into financial report data in a general-purpose format; and

an output means configured to output the converted financial report data as the valuation report.

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2. The financial information output apparatus according to claim 1, further comprising:

a comparable company financial information acquisition means configured to acquire financial information of the comparable companies that should be reflected in the valuation report, wherein

5 the calculation means further uses the acquired financial information to calculate the financial report information based on the financial parameters selected by the received selections.

10 3. The financial information output apparatus according to claim 1 or 2, wherein

 the conversion means fixes an output mode as the financial report data by using a template preset for each page of the valuation report for output of the valuation
15 report, and converts the financial report information into the financial report data.

4. The financial information output apparatus according to claim 3, wherein

20 the conversion means converts the financial report information into the financial report data while excluding an amount of the financial report information that exceeds an amount prescribed for each of the pages as the template.

25 5. The financial information output apparatus according to any one of claims 1 to 4, wherein

 the output means outputs the converted financial report

data for each page of the valuation report.

6. A financial information output method executed in a financial information output apparatus comprising a
5 precondition information acquisition means, a financial statement information acquisition means, a reception means, a calculation means, a conversion means, and an output means, the financial information output method comprising:

10 a precondition information acquisition step of acquiring, by the precondition information acquisition means, precondition information indicating preconditions for creating a valuation report corresponding to a target company;

15 a financial statement information acquisition step of acquiring, by the financial statement information acquisition means, financial statement information indicating contents of financial statements of the target company that should be reflected in the valuation report;

20 a reception step of receiving, by the reception means, selections of comparable companies and financial parameters that should be reflected in the financial report;

25 a calculation step of calculating, by the calculation means, financial report information based on the financial parameter and information of the comparable company each selected by the received selections using each of the acquired precondition information and financial statement information;

a conversion step of converting, by the conversion means, the calculated financial report information into financial report data in a general-purpose format; and

an output step of outputting, by the output means, the
5 converted financial report data as the valuation report.

7. A financial information output program causing a computer included in a financial information output apparatus comprising an output means to function as:

10 a precondition information acquisition means configured to acquire precondition information indicating preconditions for creating a valuation report corresponding to a target company;

a financial statement information acquisition means
15 configured to acquire financial statement information indicating contents of financial statements of the target company that should be reflected in the valuation report;

a reception means configured to receive selections of comparable companies and financial parameters that should be
20 reflected in the valuation report;

a calculation means configured to calculate financial report information based on the financial parameter and information of the comparable company each selected by the received selections using each of the acquired precondition
25 information and financial statement information;

a conversion means configured to convert the calculated financial report information into financial report data in

a general-purpose format; and

an output control means configured to cause the output means to output the converted financial report data as the valuation report.

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