

Claim Charts for U.S. Patent 9,268,748

EXHIBIT P

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The following claim charts are preliminary in nature. e-Numerate reserves the right to amend and supplement these proceeds.

1. An apparatus, comprising:

a device; and

an application including a network browser on the device for accessing a system configured for:

identification of at least one computer-readable Extensible Markup Language (XML)-compliant data document;

a plurality of line items with a plurality of data values, and

a plurality of computer-readable semantic tags that describe a semantic meaning of the data values, where the at least one computer-readable XML-compliant data document is capable of including multiple hierarchical relationships between two line items;

parsing of the at least one computer-readable XML-compliant data document;

accessing a plurality of computer-readable rules including:

a computer-readable datatype rule for validation of a type of data values,

a computer-readable calculation rule for validation of a calculation involving data values, and

a computer-readable unit rule for validation of a unit of data values;

validation of the at least one computer-readable XML-compliant data document by:

identifying at least a subset of the computer-readable rules including at least one of:

the computer-readable datatype rule for validation of the type of data values,

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the computer-readable calculation rule for validation of the calculation involving data values

the computer-readable unit rule for validation of the unit of data values;

processing at least a portion of the data values of at least a portion of the line items of the at least one computer-readable XML-compliant data document, utilizing the at least subset of the computer-readable rules and at least a portion of the semantic tags of the at least one computer-readable XML-compliant data document;

said apparatus configured for:

accessing at least a portion of the at least one computer-readable XML-compliant data document utilizing the network browser.

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Claim 1 Elements	Applicability
<p>1. An apparatus, comprising: a device; and an application including a network browser on the device for accessing a system configured for:</p>	<p>Users of an XBRL validator use <i>an apparatus, comprising: a device; and an application including a network browser on the device for accessing a system</i>. See excerpt(s) below, (emphasis added):</p> <p>Note: Any entity using XBRL on an official basis requires use of an XBRL validator. An XBRL document complies with relevant rules set forth by the XBRL standard.</p> <p>Upon information and belief, the Federal Deposit Insurance Corporation (FDIC) and the Federal Financial Institutions Examination Council (FFIEC) validate XBRL filings made by those organizations and infringe at least claim 1 of the '748 Patent in violation of 35 U.S.C. § 271(a) by using the patented invention to, <i>inter alia</i>, process multiple XBRL-processed filings. See pertinent excerpt(s) below illustrating applicability to the FDIC/FFIEC report framework formula processor, for example: https://xbrl.us/home/filers/fdic-reporting/.</p> <p>“The FFIEC report framework was designed with extensibility to other data series. As illustrated, the framework uses a common dictionary which each report and chart taxonomy imports. This model provides a modular approach to taxonomy design that is not duplicated and extended to include additional regulatory reports, such as the FFIEC report framework reflects the CDR data model which uses formulas in both the validation process and validate data received by financial institutions. The same formulas used in the validation system are used in Call Report vendor software to ensure the transparency of financial data. If a formula processes incorrectly, both the CDR and vendor software should produce the same result. This approach to pre-validation helps to proactively resolve issues during the validation creation and submission process.”</p>

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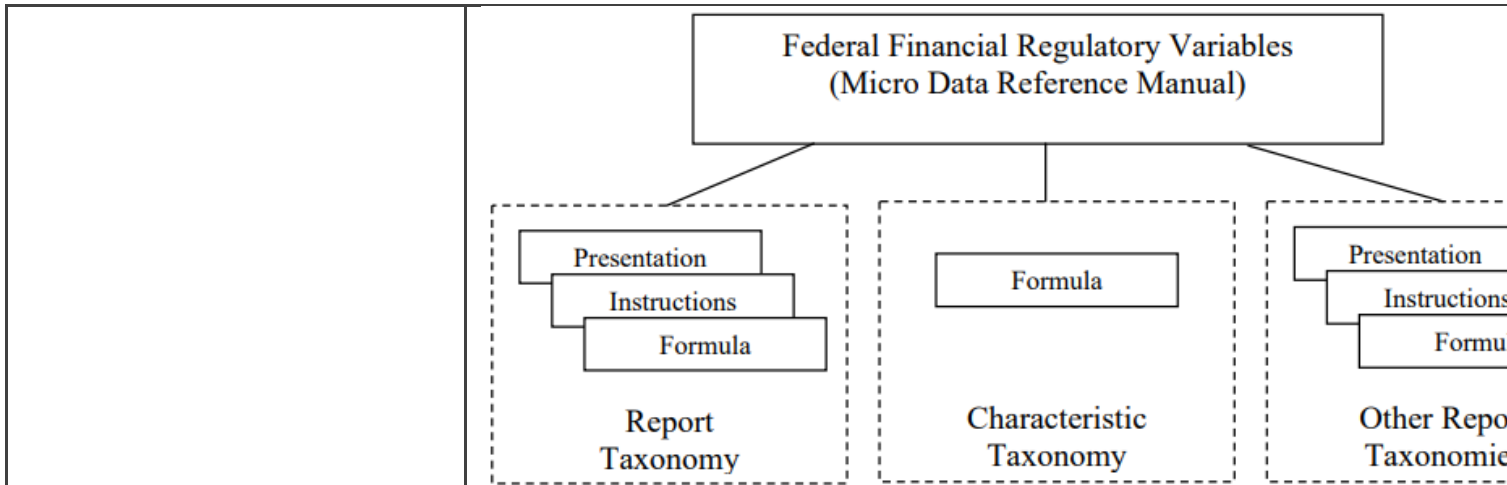


Figure 1 FFIEC Report Framework (conceptual)

“3.5 Processing

Characteristic formulas are expressed to handle two processing models, pre and post-processor. The agencies developed a custom formula processor to handle both pre- and post-processor formulas. These processing requirements were implemented using custom processing models such as ExistingNonNil.

Characteristic and consistency formulas follow different processing models. Consistency expressions are defined to process data and provide a result. Characteristic expressions are defined to process data, provide a result, process the result, and provide a second result. This type of “cascading” data processing is a critical step to understand how data are processed in CDR. Validation must follow a fixed order of execution to produce a result. Figures 5 and 6 illustrate an overview of the cascading formula pipeline.

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