

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

# EXHIBIT Q

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

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, <i>in boldface</i> (emphasis added):</p> <p><b>Note:</b> 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 Securities and Exchange Commission (SEC) has used the '748 Patent in violation of 35 U.S.C. § 271(a) by using the patented invention <i>in alia</i>, process multiple XBRL-compliant filings with the SEC. See pertinent excerpt(s) below illustrating applicability to the SEC EDGAR Renderer, for example:  <a href="https://www.sec.gov/structureddata/edgarvalandrender">https://www.sec.gov/structureddata/edgarvalandrender</a>.</p> <p>EDGAR Renderer is available as an open source application to include within so-called "viewer" applications. As of September 28, 2015, the viewer and previewer on the SEC website (<a href="http://www.sec.gov/spotlight/xbrl/viewers.shtml">www.sec.gov/spotlight/xbrl/viewers.shtml</a>), as well as rendering related error messages, rely on EDGAR Renderer 3.3.0.814. The EDGAR Renderer standalone application and source code are available for download at <a href="http://www.arelle.org/applications">www.arelle.org/applications</a> and the standalone application version 3.2.0.727 is available at <a href="https://github.com/Arelle/EdgarRenderer/blob/3.3.0.814/change_log.md">https://github.com/Arelle/EdgarRenderer/blob/3.3.0.814/change_log.md</a>.</p> <p><a href="https://www.sec.gov/structureddata/announcement/osd-announcement-1106-renderer-and-validation-engine.html">https://www.sec.gov/structureddata/announcement/osd-announcement-1106-renderer-and-validation-engine.html</a></p> <p>EDGAR® Renderer enables investors to view via the SEC website the interactive data submitted under the SEC's rules that require the use of XBRL.</p> <p>The Previewer provides the capability to test how an interactive data submission will appear on the SEC's website when submitted via EDGAR; the Previewer is only a test mechanism and does not constitute an official filing. Once a company completes its interactive data submission on EDGAR, the rendering will be presented with the official filing on the SEC website.</p>

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	<p>The version of EDGAR Renderer in use on the SEC website is available for download at <a href="http://www.arelle.org/applications">www.arelle.org/applications</a> as a standalone program. A link to the source code and other versions of EDGAR Renderer are also available at that site.  <a href="https://www.sec.gov/xbrl">https://www.sec.gov/xbrl</a></p> <p><b>“instance or instance document XML</b> file that contains business reporting information that represents a collection of financial facts and report-specific information using taxonomies and more XBRL taxonomies.”</p> <p>Hierarchical relationships such as parent-child are a well-known feature of XBRL.</p> <p><b>“line item</b> Elements that conventionally appear on the vertical axis (rows) of a table.</p> <p><b>“tag (noun)</b> Identifying information that describes a unit of data in an instance document. A tag encloses it in angle brackets (&lt;&gt; and ). All facts in an instance document are enclosed in angle brackets that identify the element of the fact.”</p> <p><b>“validation</b> Process of checking that instance documents and taxonomies conform to the rules of the XBRL specification.”  <a href="http://www.sec.gov/spotlight/xbrl/glossary.shtml">http://www.sec.gov/spotlight/xbrl/glossary.shtml</a></p> <p>By way of a non-limiting example, EDGARLink also develops and displays a report validation as described in section 7.4.2 of the SEC’s <i>Filer Manual– Volume II EDGARLink</i> document, March 2021.  <a href="https://www.sec.gov/info/edgar/specifications/edgarfm-vol2-v57.pdf">https://www.sec.gov/info/edgar/specifications/edgarfm-vol2-v57.pdf</a></p>
<p>identification of at least one computer-readable Extensible Markup Language (XML)-compliant data document including:  a plurality of line items with a</p>	<p>Users of an XBRL validator use <i>an application... configured for: identification of computer-readable Extensible Markup Language (XML)-compliant data documents, 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 and are each readably coupled to at least one 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.</i> See excerpt(s) below, for example (emphasis added):</p>

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