

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

EXHIBIT S

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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 Energy Regulatory Commission (FERC) and the Department of Energy (DOE) validate XBRL filings made to those organizations by using at least claim 1 of the '748 patent in violation of 35 U.S.C. § 271(a) by using the claimed invention to, <i>inter alia</i>, process multiple XBRL-compliant filings. See pertinent excerpts below illustrating applicability to the FERC/DOE Taxonomy Architecture, for example, https://xbrl.us/home/filers/ferc-reporting/tools/.</p> <p>“The FERC Taxonomy Architecture follows rules defined by XBRL International specifications and best practices established by XBRL US domain steering committee. Adherence to these recommendations ensures that taxonomies using the Architecture are fully XBRL 2.1 compliant.”</p> <p>“Rendering Templates</p> <p>Because the data collected by FERC has been historically forms based, the taxonomy structure reflects the structure of the Forms. The taxonomy includes html templates and a rendering schedule that can be processed with an XBRL instance file and taxonomy entry point to render a representation of the form. The templates will render an XHTML version of the instance in an inline XBRL format. The rendering templates are defined as labels in the taxonomy and are defined as labels of the Schedule abstract element that is at the presentation root of every schedule.</p> <p>Validations</p> <p>The taxonomy includes validations to ensure the quality of data submitted. The validations are grouped by form and schedule, with sets of validations that are applicable to</p>

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	<p>form. Validations defined for one schedule will also run on other schedules when the schedule is the same. All validations are expressed using the XULE syntax.”</p> <p>“3.9 Validations</p> <p>The taxonomy includes validations represented as rules. A filing should validate these rules to be successfully filed. Each form has a set of validation rules applicable to it. In addition, there are validation rules that apply to all forms. These are organizational validation rules do not need to be duplicated by the taxonomy manager.</p> <p>The validation rules are expressed as XULE rules and are maintained by the taxonomy author.”</p> <p>“5 Form Rendering</p> <p>5.1 Overview</p> <p>When an XBRL filing is made to the FERC one of the functions that needs to be performed is to create a human readable version of the XBRL instance that looks like a traditional form. The following figure shows the process flow of a filing and where form rendering occurs:</p>
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