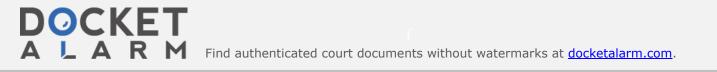
Case 1:19-cv-00859-RTH Document 53-17 Filed 04/27/21 Page 1 of 16 Claim Charts for U.S. Patent 9,268,748

# EXHIBIT Q



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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

DOCKE

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 do

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 computer-readably coupled to at least one of the data values, where the at least one computer-readate 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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Claim Charts for U.S. Patent 9,268,748

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 of compliant data document, utilizing the at least subset of the computer-readable rules and at least a portion of sematic 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 Charts for U.S. Patent 9,268,748

Claim 1 Elements	Applicability	
1. An apparatus, comprising:	Users of an XBRL validator use an apparatus, comprising: a device; and an apple a network browser on the device for accessing a system. See excerpt(s) below, f	
a device; and	(emphasis added):	
an application including a network browser on the device	<b>Note</b> : Any entity using XBRL on an official basis requires use of an XBRL validato an XBRL document complies with relevant rules set forth by the XBRL standard.	
for accessing a system		
configured for:	Upon information and belief, the Securities and Exchange Commission (SEC) ha	
	the '748 Patent in violation of 35 U.S.C. § 271(a) by using the patented inventio	
	alia, process multiple XBRL-compliant filings with the SEC. See pertinent excerp	
	illustrating applicability to the SEC EDGAR Renderer, for example: https://www.sec.gov/structureddata/edgarvalandrender.	
	<u>Inteps.//www.sec.gov/structureudata/eugarvalandrender</u> .	
	EDGAR Renderer is available as an open source application to include within so	
	applications. As of September 28, 2015, the viewer and previewer on the SEC w	
	(www.sec.gov/spotlight/xbrl/viewers.shtml), as well as rendering related error	
	messages, rely on EDGAR Renderer 3.3.0.814. The EDGAR Renderer standalone	
	source code are available for download at www.arelle.org/applications and the version 3.2.0.727 is available at	
	https://github.com/Arelle/EdgarRenderer/blob/3.3.0.814/change_log.md.	
	https://www.sec.gov/structureddata/announcement/osd-announcement-1106	
	renderer-and-validation-engine.html	
	EDGAR <sup>®</sup> Renderer enables investors to view via the SEC website the interactive	
	submitted under the SEC's rules that require the use of XBRL.	
	The Previewer provides the capability to test how an interactive data submissio	
	the SEC's website when submitted via EDGAR; the Previewer is only a test mech	
	not constitute an official filing. Once a company completes its interactive data	
	EDGAR, the rendering will be presented with the official filing on the SEC websi	

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

	The version of EDGAR Renderer in use on the SEC website is available for down www.arelle.org/applications as a standalone program. A link to the source code and other versions of EDGAR Renderer are also available at that site.
	https://www.sec.gov/xbrl
	<b>"instance or instance document XML</b> file that contains business reporting info represents a collection of financial facts and report-specific information using t more XBRL taxonomies."
	Hierarchical relationships such as parent-child are a well-known feature of XBR
	"line item Elements that conventionally appear on the vertical axis (rows) of a t
	"tag (noun) Identifying information that describes a unit of data in an instance encloses it in angle brackets (<> and ). All facts in an instance document are en that identify the element of the fact."
	"validation Process of checking that instance documents and taxonomies correrules of the XBRL specification." http://www.sec.gov/spotlight/xbrl/glossary.shtml
	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 ED</i> document, March 2021.
	https://www.sec.gov/info/edgar/specifications/edgarfm-vol2-v57.pdf
identification of at least one	Users of an XBRL validator use an application configured for: identification of
computer-readable Extensible	computer-readable Extensible Markup Language (XML)-compliant data docum
Markup Language (XML)-	plurality of line items with a plurality of data values, and a plurality of compute
compliant data document	semantic tags that describe a semantic meaning of the data values and are eac
including:	readably coupled to at least one of the data values, where the at least one com
	XML-compliant data document is capable of including multiple hierarchical relations items.
a plurality of line items with a	two line items. See excerpt(s) below, for example (emphasis added):



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