



US009268748B2

(12) **United States Patent**
Davis

(10) **Patent No.:** **US 9,268,748 B2**
(45) **Date of Patent:** ***Feb. 23, 2016**

(54) **SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR OUTPUTTING MARKUP LANGUAGE DOCUMENTS**

17/212 (2013.01); *G06F 17/215* (2013.01);
G06F 17/2235 (2013.01); *G06F 17/2247*
(2013.01); *G06F 17/2252* (2013.01); *G06F 17/2264* (2013.01); *G06F 17/243* (2013.01);
(Continued)

(71) Applicant: **e-Numerate Solutions, Inc.**, Great Falls, VA (US)

(58) **Field of Classification Search**

(72) Inventor: **Russell T Davis**, Bethesda, MD (US)

CPC . *G06F 17/218*; *G06F 3/04842*; *G06F 3/0482*;
G06F 17/2252; *G06F 17/212*; *G06F 17/215*;
G06F 17/2247; *G06F 17/246*; *G06F 17/2235*;
G06F 17/2264; *G06F 17/30991*; *Y10S 707/99953*; *Y10S 707/99956*

(73) Assignee: **e-Numerate Solutions, Inc.**, Great Falls, VA (US)

See application file for complete search history.

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(56) **References Cited**

This patent is subject to a terminal disclaimer.

U.S. PATENT DOCUMENTS

(21) Appl. No.: **14/724,801**

4,674,043 A 6/1987 Hernandez et al.
5,008,853 A 4/1991 Bly et al.

(22) Filed: **May 28, 2015**

(Continued)

(65) **Prior Publication Data**

US 2015/0261729 A1 Sep. 17, 2015

FOREIGN PATENT DOCUMENTS

WO 0072197 A2 11/2000
WO 0161568 A2 8/2001

OTHER PUBLICATIONS

Related U.S. Application Data

(60) Continuation-in-part of application No. 11/819,125, filed on Jun. 25, 2007, which is a division of application No. 09/573,419, filed on May 18, 2000, now Pat. No. 7,249,328.

Non-Final Office Action from U.S. Appl. No. 09/573,780, dated Dec. 28, 2005.

(Continued)

(60) Provisional application No. 60/183,152, filed on Feb. 17, 2000, provisional application No. 60/135,525, filed on May 21, 1999.

Primary Examiner — Kyle Stork

(51) **Int. Cl.**
G06F 3/00 (2006.01)
G06F 17/21 (2006.01)

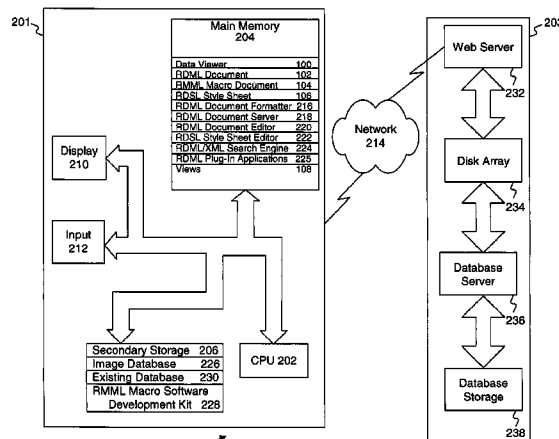
(Continued)

(57) **ABSTRACT**

A system, method, and computer program product are provided for use in connection with at least one computer-readable Extensible Markup Language (XML)-compliant data document capable of including: 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.

(52) **U.S. Cl.**
CPC *G06F 17/218* (2013.01); *G06F 3/0482* (2013.01); *G06F 3/04842* (2013.01); *G06F*

20 Claims, 40 Drawing Sheets



(51)	<p>Int. Cl. G06F 3/0484 (2013.01) G06F 3/0482 (2013.01) G06F 17/22 (2006.01) G06F 17/24 (2006.01) G06F 17/30 (2006.01)</p>	<p>6,125,391 A 9/2000 Meltzer et al. 6,134,563 A 10/2000 Clancey et al. 6,148,330 A 11/2000 Puri et al. 6,160,549 A 12/2000 Touma et al. 6,167,409 A 12/2000 DeRose et al. 6,173,272 B1 1/2001 Thomas et al. 6,173,284 B1 1/2001 Brown 6,173,316 B1 1/2001 De Boor et al. 6,185,573 B1 2/2001 Angelucci et al. 6,185,816 B1 2/2001 Freund et al. 6,192,362 B1 2/2001 Schneck et al. 6,195,665 B1 2/2001 Jarett 6,195,676 B1 2/2001 Spix et al. 6,199,046 B1* 3/2001 Heinzle et al. 705/39 6,199,080 B1 3/2001 Nielsen 6,206,388 B1 3/2001 Ouboter 6,212,494 B1 4/2001 Boguraev 6,223,189 B1 4/2001 Steffens et al. 6,226,675 B1 5/2001 Meltzer et al. 6,240,407 B1 5/2001 Chang et al. 6,243,698 B1 6/2001 Powers et al. 6,249,291 B1 6/2001 Popp et al. 6,256,030 B1 7/2001 Berry et al. 6,266,670 B1 7/2001 LaMarca et al. 6,269,380 B1 7/2001 Terry et al. 6,276,991 B1 8/2001 Kobayashi et al. 6,278,991 B1 8/2001 Ebert 6,295,530 B1 9/2001 Ritchie et al. 6,308,179 B1 10/2001 Petersen et al. 6,314,424 B1 11/2001 Kaczmarek et al. 6,314,562 B1 11/2001 Biggerstaff 6,317,750 B1 11/2001 Tortolani et al. 6,317,783 B1 11/2001 Freishtat et al. 6,339,767 B1 1/2002 Rivette et al. 6,344,851 B1 2/2002 Roberts et al. 6,345,284 B1 2/2002 Dinkelacker 6,345,292 B1 2/2002 Daugherty et al. 6,349,307 B1 2/2002 Chen 6,351,755 B1 2/2002 Najork et al. 6,356,920 B1 3/2002 Vandersluijs 6,356,961 B1 3/2002 Oprescu-Surcobe 6,366,915 B1 4/2002 Rubert et al. 6,370,537 B1 4/2002 Gilbert et al. 6,370,549 B1 4/2002 Saxton 6,373,504 B1 4/2002 Nielsen 6,374,274 B1 4/2002 Myers et al. 6,408,430 B2 6/2002 Gunter et al. 6,418,433 B1 7/2002 Chakrabarti et al. 6,421,656 B1 7/2002 Cheng et al. 6,421,822 B1 7/2002 Pavela 6,424,980 B1 7/2002 Iizuka et al. 6,434,541 B1 8/2002 Tawel et al. 6,446,048 B1 9/2002 Wells et al. 6,460,059 B1 10/2002 Wisniewski 6,470,349 B1 10/2002 Heninger et al. 6,484,149 B1 11/2002 Jammes et al. 6,493,717 B1 12/2002 Junkin 6,502,101 B1 12/2002 Verprauskus et al. 6,502,112 B1 12/2002 Baisley 6,505,246 B1 1/2003 Land et al. 6,507,856 B1 1/2003 Chen et al. 6,510,468 B1* 1/2003 Hayne 709/246 6,513,043 B1 1/2003 Chan et al. 6,519,617 B1 2/2003 Wanderski et al. 6,529,217 B1 3/2003 Maguire, III et al. 6,535,896 B2 3/2003 Britton et al. 6,542,912 B2 4/2003 Meltzer et al. 6,581,068 B1 6/2003 Bensoussan et al. 6,591,272 B1 7/2003 Williams 6,594,653 B2 7/2003 Colby et al. 6,615,258 B1 9/2003 Barry et al. 6,621,505 B1 9/2003 Beauchamp et al. 6,626,957 B1 9/2003 Lippert et al. 6,629,094 B1 9/2003 Colby et al. 6,629,135 B1 9/2003 Ross, Jr. et al. 6,631,357 B1 10/2003 Perkowski 6,631,402 B1 10/2003 Devine et al.</p>
(52)	<p>U.S. Cl. CPC G06F 17/246 (2013.01); G06F 17/30896 (2013.01); G06F 17/30991 (2013.01); Y10S 707/99953 (2013.01); Y10S 707/99956 (2013.01)</p>	
(56)	<p>References Cited</p> <p>U.S. PATENT DOCUMENTS</p> <p>5,276,776 A 1/1994 Grady et al. 5,339,392 A 8/1994 Risberg et al. 5,371,675 A 12/1994 Greif et al. 5,423,032 A 6/1995 Byrd et al. 5,434,541 A 7/1995 Knoedl, Jr. 5,461,708 A 10/1995 Kahn 5,519,617 A 5/1996 Hughes et al. 5,530,794 A 6/1996 Luebbert 5,530,942 A 6/1996 Tzou et al. 5,548,749 A* 8/1996 Kroenke et al. 5,551,381 A 9/1996 Losel et al. 5,581,685 A 12/1996 Sakurai 5,581,686 A 12/1996 Koppolu et al. 5,603,021 A 2/1997 Spencer et al. 5,613,131 A 3/1997 Moss et al. 5,701,400 A 12/1997 Amado 5,706,502 A 1/1998 Foley et al. 5,721,847 A 2/1998 Johnson 5,737,592 A 4/1998 Nguyen et al. 5,737,739 A 4/1998 Shirley et al. 5,748,188 A 5/1998 Hu et al. 5,754,939 A 5/1998 Herz et al. 5,822,587 A 10/1998 McDonald et al. 5,838,906 A 11/1998 Doyle et al. 5,838,965 A 11/1998 Kavanagh et al. 5,881,381 A 3/1999 Yamashita et al. 5,893,109 A 4/1999 DeRose et al. 5,894,311 A 4/1999 Jackson 5,895,476 A 4/1999 Orr et al. 5,907,820 A 5/1999 Pan 5,911,145 A 6/1999 Arora et al. 5,913,214 A 6/1999 Madnick et al. 5,917,485 A 6/1999 Spellman et al. 5,920,828 A 7/1999 Norris et al. 5,948,113 A 9/1999 Johnson et al. 5,950,196 A 9/1999 Pyreddy et al. 5,953,724 A 9/1999 Lowry 5,956,737 A 9/1999 King et al. 5,974,413 A 10/1999 Beauregard et al. 5,983,247 A 11/1999 Yamanaka et al. 5,987,469 A 11/1999 Lewis et al. 5,999,944 A 12/1999 Lipkin 6,006,242 A 12/1999 Poole et al. 6,009,436 A 12/1999 Motoyama et al. 6,014,643 A 1/2000 Minton 6,014,661 A 1/2000 Ahlberg et al. 6,026,388 A 2/2000 Liddy et al. 6,026,397 A 2/2000 Sheppard 6,034,676 A 3/2000 Egan et al. 6,038,574 A 3/2000 Pitkow et al. 6,052,710 A 4/2000 Saliba et al. 6,058,385 A 5/2000 Koza et al. 6,065,012 A 5/2000 Balsara et al. 6,065,026 A 5/2000 Cornelia et al. 6,075,530 A 6/2000 Lucas et al. 6,092,036 A 7/2000 Hamann 6,097,888 A 8/2000 Simonyi 6,108,662 A 8/2000 Hoskins et al.</p>	

(56)

References Cited

U.S. PATENT DOCUMENTS

6,643,633 B2 11/2003 Chau et al.
 6,667,747 B1 12/2003 Spellman et al.
 6,714,201 B1 3/2004 Grinstein et al.
 6,718,516 B1 4/2004 Claussen et al.
 6,721,736 B1 4/2004 Krug et al.
 6,745,384 B1 6/2004 Biggerstaff
 6,772,139 B1 8/2004 Smith, III
 6,789,252 B1 9/2004 Burke et al.
 6,862,710 B1 3/2005 Marchisio
 6,876,930 B2 4/2005 Murray et al.
 6,886,005 B2 4/2005 Davis
 6,910,017 B1 6/2005 Woo et al.
 6,912,293 B1 6/2005 Korobkin
 6,920,608 B1 7/2005 Davis
 6,993,527 B1 1/2006 Raman et al.
 7,020,862 B1 3/2006 Alfke et al.
 7,020,882 B1 3/2006 Lewallen
 7,152,116 B1 12/2006 Austin et al.
 7,181,438 B1 2/2007 Szabo
 7,249,328 B1 7/2007 Davis
 7,340,534 B2 3/2008 Cameron et al.
 7,401,076 B2 7/2008 Davis
 7,421,648 B1 9/2008 Davis
 7,512,875 B2 3/2009 Davis
 7,565,397 B2 7/2009 Hodjat et al.
 7,650,355 B1 1/2010 Davis
 7,660,874 B1 2/2010 Meltzer et al.
 7,801,896 B2 9/2010 Szabo
 8,006,177 B1 8/2011 Meltzer et al.
 8,185,615 B1 5/2012 McDysan et al.
 8,185,815 B1 5/2012 Feira et al.
 8,185,816 B2 5/2012 Davis
 8,370,362 B2 2/2013 Szabo
 8,375,116 B2 2/2013 Meltzer et al.
 8,489,982 B2 7/2013 Davis
 8,959,196 B2 2/2015 Meltzer et al.
 2001/0013030 A1 8/2001 Colby et al.
 2001/0018687 A1 8/2001 Gonzalez et al.
 2001/0018694 A1 8/2001 Iwamoto et al.
 2001/0020237 A1 9/2001 Yarnall et al.
 2001/0049687 A1 12/2001 Russell
 2002/0007383 A1 1/2002 Yoden et al.
 2002/0023141 A1 2/2002 Yen et al.
 2002/0035501 A1 3/2002 Handel et al.
 2002/0052954 A1 5/2002 Polizzi et al.
 2002/0062451 A1 5/2002 Scheidt et al.
 2002/0073115 A1 6/2002 Davis
 2002/0091696 A1 7/2002 Craft et al.
 2002/0165872 A1 11/2002 Meltzer et al.
 2002/0168664 A1 11/2002 Murray et al.
 2002/0198985 A1 12/2002 Fraenkel et al.
 2003/0041077 A1 2/2003 Davis et al.
 2003/0078683 A1 4/2003 Hartman et al.
 2003/0078883 A1 4/2003 Stewart et al.
 2003/0140045 A1 7/2003 Heninger et al.
 2003/0167213 A1 9/2003 Jammes et al.
 2003/0217047 A1 11/2003 Marchisio
 2005/0005266 A1 1/2005 Datig
 2005/0086126 A1 4/2005 Patterson
 2005/0086216 A1 4/2005 Davis
 2005/0182709 A1 8/2005 Belcsak et al.
 2005/0187954 A1 8/2005 Raman et al.
 2005/0198042 A1 9/2005 Davis
 2006/0168335 A1 7/2006 Hodjat et al.
 2007/0156677 A1 7/2007 Szabo
 2007/0219933 A1 9/2007 Datig
 2008/0028340 A1 1/2008 Davis
 2008/0282139 A1 11/2008 Davis
 2009/0083613 A1 3/2009 Davis
 2009/0083619 A1 3/2009 Davis
 2009/0089657 A1 4/2009 Davis
 2010/0004874 A1 1/2010 Rzhetsky et al.

2010/0332414 A1 12/2010 Mead et al.
 2010/0332583 A1 12/2010 Szabo
 2013/0159845 A1 6/2013 Meltzer et al.

OTHER PUBLICATIONS

Advisory Action from U.S. Appl. No. 09/573,780, dated Jul. 7, 2005.
 Final Office Action from U.S. Appl. No. 09/573,780, dated Mar. 28, 2005.
 Non-Final Office Action from U.S. Appl. No. 09/573,780, dated Apr. 23, 2004.
 Notice of Allowance from U.S. Appl. No. 09/573,778, dated May 1, 2008.
 Final Office Action from U.S. Appl. No. 09/573,778, dated Oct. 3, 2007.
 Non-Final Office Action from U.S. Appl. No. 09/573,778, dated Apr. 13, 2007.
 Final Office Action from U.S. Appl. No. 09/573,778, dated Oct. 24, 2006.
 Non-Final Office Action from U.S. Appl. No. 09/573,778, dated May 31, 2006.
 Non-Final Office Action from U.S. Appl. No. 09/573,778, dated Dec. 16, 2005.
 Advisory Action from U.S. Appl. No. 09/573,778, dated Sep. 27, 2005.
 Final Office Action from U.S. Appl. No. 09/573,778, dated Jun. 2, 2005.
 Non-Final Office Action from U.S. Appl. No. 09/573,778, dated Jan. 5, 2005.
 Restriction Requirement from U.S. Appl. No. 09/573,778, dated Sep. 16, 2004.
 Final Office Action from U.S. Appl. No. 12/222,751, dated Mar. 31, 2014.
 Advisory Action from U.S. Appl. No. 12/222,751, dated May 15, 2013.
 Non-Final Office Action from U.S. Appl. No. 12/222,751, dated Jul. 11, 2013.
 Final Office Action from U.S. Appl. No. 12/222,751, dated Jan. 7, 2013.
 Non-Final Office Action from U.S. Appl. No. 12/222,751, dated May 29, 2012.
 Final Office Action from U.S. Appl. No. 12/222,751, dated Jan. 25, 2012.
 Non-Final Office Action from U.S. Appl. No. 12/222,751, dated Aug. 11, 2011.
 Notice of Allowance from U.S. Appl. No. 12/222,750, dated Mar. 15, 2013.
 Final Office Action from U.S. Appl. No. 12/222,750, dated Aug. 11, 2011.
 Non-Final Office Action from U.S. Appl. No. 12/222,750, dated Feb. 14, 2011.
 Notice of Allowance from U.S. Appl. No. 12/222,752, dated Feb. 2, 2012.
 Non-Final Office Action from U.S. Appl. No. 12/222,752, dated Aug. 5, 2011.
 Notice of Allowance from U.S. Appl. No. 09/573,413, dated Feb. 8, 2005.
 Non-Final Office Action from U.S. Appl. No. 09/573,413, dated Aug. 27, 2004.
 Notice of Allowance from U.S. Appl. No. 11/119,963, dated Dec. 15, 2008.
 Non-Final Office Action from U.S. Appl. No. 11/119,963, dated Jun. 27, 2008.
 Final Office Action from U.S. Appl. No. 11/119,963, dated Feb. 5, 2008.
 Non-Final Office Action from U.S. Appl. No. 11/119,963, dated May 29, 2007.
 Notice of Allowance from U.S. Appl. No. 09/573,419, dated Mar. 26, 2007.
 Advisory Action from U.S. Appl. No. 09/573,419, dated Feb. 20, 2007.

(56)

References Cited

OTHER PUBLICATIONS

- Non-Final Office Action from U.S. Appl. No. 09/573,419, dated May 10, 2006.
- Advisory Action from U.S. Appl. No. 09/573,419, dated Jan. 5, 2006.
- Final Office Action from U.S. Appl. No. 09/573,419, dated Sep. 20, 2005.
- Non-Final Office Action from U.S. Appl. No. 09/573,419, dated Apr. 7, 2005.
- Advisory Action from U.S. Appl. No. 09/573,419, dated Jan. 26, 2005.
- Final Office Action from U.S. Appl. No. 09/573,419, dated Oct. 26, 2004.
- Non-Final Office Action from U.S. Appl. No. 09/573,419, dated Mar. 11, 2004.
- Non-Final Office Action from U.S. Appl. No. 09/573,419, dated Oct. 8, 2003.
- Restriction Requirement from U.S. Appl. No. 09/573,419, dated Jun. 18, 2003.
- Final Office Action from U.S. Appl. No. 11/819,126, dated Mar. 24, 2014.
- Final Office Action from U.S. Appl. No. 11/819,126, dated Oct. 21, 2013.
- Non-Final Office Action from U.S. Appl. No. 11/819,126, dated Feb. 27, 2013.
- Final Office Action from U.S. Appl. No. 11/819,126, dated Nov. 17, 2010.
- Non-Final Office Action from U.S. Appl. No. 11/819,126, dated Jun. 9, 2010.
- Final Office Action from U.S. Appl. No. 11/819,125, dated Oct. 22, 2014.
- Non-Final Office Action from U.S. Appl. No. 11/819,125, dated Mar. 25, 2014.
- Advisory Action from U.S. Appl. No. 11/819,125, dated Sep. 3, 2013.
- Final Office Action from U.S. Appl. No. 11/819,125, dated Mar. 14, 2013.
- Non-Final Office Action from U.S. Appl. No. 11/819,125, dated Sep. 28, 2012.
- Advisory Action from U.S. Appl. No. 11/819,125, dated Aug. 2, 2011.
- Final Office Action from U.S. Appl. No. 11/819,125, dated Apr. 12, 2011.
- Final Office Action from U.S. Appl. No. 11/819,125, dated Dec. 14, 2010.
- Non-Final Office Action from U.S. Appl. No. 11/819,125, dated Jul. 14, 2010.
- Notice of Allowance from U.S. Appl. No. 10/980,266, dated Mar. 17, 2008.
- Non-Final Office Action from U.S. Appl. No. 10/980,266, dated Sep. 12, 2007.
- Final Office Action from U.S. Appl. No. 10/980,266, dated Mar. 19, 2007.
- Non-Final Office Action from U.S. Appl. No. 10/980,266, dated Sep. 5, 2006.
- Non-Final Office Action from U.S. Appl. No. 10/052,250, dated Oct. 2, 2014.
- Final Office Action from U.S. Appl. No. 10/052,250, dated Feb. 20, 2014.
- Non-Final Office Action from U.S. Appl. No. 10/052,250, dated May 22, 2013.
- Decision on Appeal from U.S. Appl. No. 10/052,250, dated May 1, 2012.
- Examiners Answer from U.S. Appl. No. 10/052,250, dated Nov. 24, 2008.
- Final Office Action from U.S. Appl. No. 10/052,250, dated Nov. 1, 2007.
- Non-Final Office Action from U.S. Appl. No. 10/052,250, dated Jun. 11, 2007.
- Non-Final Office Action from U.S. Appl. No. 10/052,250, dated May 18, 2006.
- Advisory Action from U.S. Appl. No. 10/052,250, dated Dec. 19, 2005.
- Final Office Action from U.S. Appl. No. 10/052,250, dated Aug. 23, 2005.
- Non-Final Office Action from U.S. Appl. No. 10/052,250, dated Mar. 22, 2005.
- Fulton, "Ten Minute Guide to Excel 97," Dec. 12, 1996; <http://techbus.safaribooksonline.com/print?xmlid=0/7897-1020-X%2Fch17lev1sec1>.
- Hoffman et al., XBRL Taxonomy Financial Reporting for Commercial and Industrial Companies, US GAAP, Jul. 31, 2000, pp. 1-12.
- XBRL for Financial Statements Questions and Answers, Apr. 26, 2000, 6 pages.
- Harding, W. E., "Finally, Business Talks the same Language," Aug. 2000, 5 pages.
- Arnold, K. et al., "The Java Programming Language, Second Edition," The Java Series, 3rd Printing, Sep. 1998, pp. 466 pages.
- Gosling, J. et al., "The Java Language Specification," The Java Series, First printing, Aug. 1996, 853 pages.
- Harold, E. R., "XML: Extensible Markup Language," IDG Books Worldwide, Inc., 1998, 458 pages.
- Final Office Action from U.S. Appl. No. 10/052,250, dated Jul. 21, 2015.
- Bruce Hallberg et al., "Special Edition, Using Microsoft.RTM. Excell 97, Bestseller Edition," Que.RTM. Corporation (1997).
- Elliott Rusty Harold, "XML .TM. Bible," IDG Books Worldwide, Inc., An International Data Group Company (1999).
- David Megginson, "Structuring XML Documents," Prentice Hall PTR, Upper Saddle River, NJ (1998).
- Copending U.S. Appl. No. 09/573,419 entitled "Tree View for Reusable Data Markup Language," filed May 18, 2000.
- Copending U.S. Appl. No. 09/573,778 entitled "Reusable Data Markup Language," filed May 18, 2000.
- Extensible Business Reporting Language (XBRL) 2.0 Specification, (Dec. 14, 2001), Editors: Luther Hampton, e-Numerate; David van Kannon, KPMG LLP; pp. 1-42.
- Information on Exchange Rates of Africa, Asia, and Australia, web site: <http://eh.net/hmit/exchangerates/infoafr.htm>, pp. 1-3, 2002 by EH.NET, downloaded Oct. 19, 2006.
- Microsoft Press Computer Dictionary, Third Edition, Microsoft Press, p. 511 (1997) (3 pages).
- Online Ohio CPA Newsletter, A Monthly Electronic Publication of the Ohio Society of Certified Public Accountants; Aug. 2000, vol. 1, No. 14 (7 pages).
- Order of Magnitude (online Wikipedia article), http://en.wikipedia.org/wiki/Orders_of_magnitude, 2006 Wikimedia Foundation, Inc. pp. 1-4, downloaded Oct. 19, 2006.
- Tools [online], extensible Business Reporting Language, [retrieved on Aug. 13, 2002]. Retrieved from the Internet <URL: <http://www.xbrl.org/Tools.htm>> (5 pages).
- XBRL Essentials, (A nontechnical introduction to the extensible Business Reporting Language, the digital language of business), Jan. 2001, Charles Hoffman, CPA; Carolyn Strand, PhD, CPA, (AICPA), pp. 1-17.
- XBRL Home Page [online], extensible Business Reporting Language, [retrieved on Aug. 13, 2002]. Retrieved from the Internet <URL: <http://www.xbrl.org>> (3 pages).
- XBRL Technical Specification [online], extensible Business Reporting Language, [retrieved on Aug. 13, 2002]. Retrieved from the Internet <URL: <http://www.xbrl.org/TR12001/default.htm>> (1 page).
- The XML Cover Pages, Extensible Business Reporting Language (XBRL), (1994-2002), Robin Cover, pp. 1-18.
- Berkley et al., The Road to Better Business Information Making a Case for XBRL, Winter 2000, Microsoft, pp. 1-13.
- Blattner, Special Edition Using Microsoft Excel (R), May 3, 1999 (C) Que Corporation "Adding a Secondary Axis to the Chart" (3 pages).
- Gilster, Paul, Finding It on the Internet: The Internet Navigator's

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.