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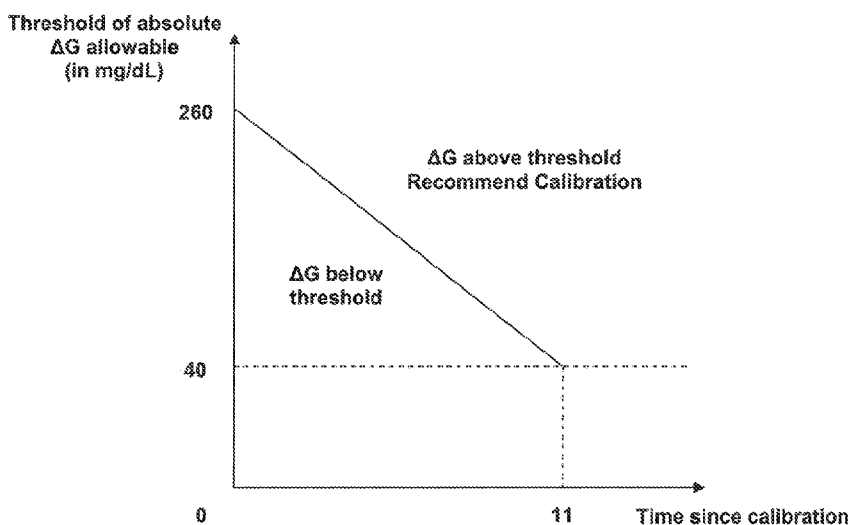


Figure 3

(57) Abstract: Embodiments provide a method and related systems that take into account the difference between a measured glucose value and the calibration level and the amount of elapsed time since the prior calibration. As one or both of these determined differences increases, the desirability of an additional calibration also increases. The methodology described herein thus analyzes the combination of change in glucose level as well as the time since the prior calibration. If the combination exceeds a predetermined value, the system recommends, but does not require, that the subject user perform an additional calibration.

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A. CLASSIFICATION OF SUBJECT MATTER*A61B 5/145(2006.01)i, A61B 5/155(2006.01)i, A61B 5/157(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61B 5/145; A61B 5/05; G06F 19/00; G01N 33/48; F16J 15/18; A61B 5/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: analyte value, threshold, function

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007-0016381 A1 (APURV KAMATH et al.) 18 January 2007 See abstract, paragraph [0180]-[0181],[0251],[0385],[0635]-[0637], claims 1,10,12,21 and figures 1,14A,15,28	1-21
A	US 2006-0036141 A1 (APURV ULAS KAMARH, et al) 16 February 2006 See abstract, paragraph [0215],[0251],[0253]-[0254],[0315]-[0317],0321], claims 1-4 and figures 14,15A,18	1-21
A	US 5791233 A1 (KNAPP; JURGEN MICHAEL et al.) 11 August 1998 See abstract, column 6, line 28-48, column 7, line 2-5, column 16, line 31-54 claim 1 and figures 1,11	1-21
A	US 2008-0228055 A1 (SHER PHILIP M.) 18 September 2008 See abstract, paragraph [0015],[0060] and claims 1-2	1-21

 Further documents are listed in the continuation of Box C. See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/047191

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2007-0016381 A1	18.01.2007	AU 2001-80886 A1	25.02.2002
		AU 2007-303239 A1	10.04.2008
		AU 2007-305002 A1	10.04.2008
		AU 2008-230832 A1	02.10.2008
		AU 2008-266162 A1	24.12.2008
		CA 2681412 A1	02.10.2008
		CA 2687980 A1	24.12.2008
		CN 101547633 A	30.09.2009
		EP 1011425 A1	28.06.2000
		EP 1011425 A4	16.06.2004
		EP 1011425 B1	02.05.2007
		EP 1624907 A2	15.02.2006
		EP 1624908 A2	15.02.2006
		EP 1624908 B1	05.01.2011
		EP 1648293 A1	26.04.2006
		EP 1711789 A2	18.10.2006
		EP 1711790 A2	18.10.2006
		EP 1711790 B1	08.09.2010
		EP 1711791 A2	18.10.2006
		EP 1711791 A4	27.02.2008
		EP 1711802 A2	18.10.2006
		EP 1711802 B1	14.07.2010
		EP 1718350 A1	08.11.2006
		EP 1742568 A2	17.01.2007
		EP 1776036 A1	25.04.2007
		EP 1804650 A1	11.07.2007
		EP 1893084 A2	05.03.2008
		EP 1991110 A2	19.11.2008
		EP 2004796 A2	24.12.2008
		EP 2069772 A2	17.06.2009
		EP 2091409 A2	26.08.2009
		EP 2129285 A1	09.12.2009
		EP 2155045 A1	24.02.2010
		EP 2223710 A1	01.09.2010
		EP 2226086 A1	08.09.2010
		EP 2228642 A1	15.09.2010
		EP 2239566 A2	13.10.2010
		EP 2239566 A3	17.11.2010
		EP 2239567 A2	13.10.2010
		EP 2239567 A3	17.11.2010
		EP 2256493 A1	01.12.2010
		JP 04-124827 B2	23.07.2008
		JP 2001-510382 A	31.07.2001
		JP 2006-525853 A	16.11.2006
		JP 2007-501028 A	25.01.2007
		JP 2007-501684 A	01.02.2007
		JP 2007-525276 A	06.09.2007
		JP 2007-535991 A	13.12.2007
		JP 2008-096448 A	24.04.2008

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/047191

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		JP 2008-506468 A	06.03.2008
		JP 2008-506469 A	06.03.2008
		JP 2010-505534 A	25.02.2010
		US 06001067A A	14.12.1999
		US 2004-0011671 A1	22.01.2004
		US 2004-0045879 A1	11.03.2004
		US 2005-0027180 A1	03.02.2005
		US 2005-0027181 A1	03.02.2005
		US 2005-0027462 A1	03.02.2005
		US 2005-0027463 A1	03.02.2005
		US 2005-0031689 A1	10.02.2005
		US 2005-0033132 A1	10.02.2005
		US 2005-0043598 A1	24.02.2005
		US 2005-0054909 A1	10.03.2005
		US 2005-0112169 A1	26.05.2005
		US 2005-0124873 A1	09.06.2005
		US 2005-0143635 A1	30.06.2005
		US 2005-0154271 A1	14.07.2005
		US 2005-0176136 A1	11.08.2005
		US 2005-0177036 A1	11.08.2005
		US 2005-0187720 A1	25.08.2005
		US 2005-0192557 A1	01.09.2005
		US 2005-0203360 A1	15.09.2005
		US 2005-0245795 A1	03.11.2005
		US 2006-0015024 A1	19.01.2006
		US 2006-0016700 A1	26.01.2006
		US 2006-0019327 A1	26.01.2006
		US 2006-0020186 A1	26.01.2006
		US 2006-0020187 A1	26.01.2006
		US 2006-0020188 A1	26.01.2006
		US 2006-0020189 A1	26.01.2006
		US 2006-0020190 A1	26.01.2006
		US 2006-0020191 A1	26.01.2006
		US 2006-0020192 A1	26.01.2006
		US 2006-0036139 A1	16.02.2006
		US 2006-0036140 A1	16.02.2006
		US 2006-0036141 A1	16.02.2006
		US 2006-0036142 A1	16.02.2006
		US 2006-0036143 A1	16.02.2006
		US 2006-0036144 A1	16.02.2006
		US 2006-0036145 A1	16.02.2006
		US 2006-0040402 A1	23.02.2006
		US 2006-0142651 A1	29.06.2006
		US 2006-0155180 A1	13.07.2006
		US 2006-0183984 A1	17.08.2006
		US 2006-0183985 A1	17.08.2006
		US 2006-0189856 A1	24.08.2006
		US 2006-0195029 A1	31.08.2006
		US 2006-0198864 A1	07.09.2006
		US 2006-0200019 A1	07.09.2006

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/047191

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 2006-0200020 A1	07.09.2006
		US 2006-0200970 A1	14.09.2006
		US 2006-0204536 A1	14.09.2006
		US 2006-0222566 A1	05.10.2006
		US 2006-0229512 A1	12.10.2006
		US 2006-0235285 A1	19.10.2006
		US 2006-0249381 A1	09.11.2006
		US 2006-0252027 A1	09.11.2006
		US 2006-0253012 A1	09.11.2006
		US 2006-0258929 A1	16.11.2006
		US 2006-0270922 A1	30.11.2006
		US 2006-0270923 A1	30.11.2006
		US 2007-0027370 A1	01.02.2007
		US 2007-027384 A1	01.02.2007
		US 2007-027385 A1	01.02.2007
		US 2007-032706 A1	08.02.2007
		US 2007-032717 A1	08.02.2007
		US 2007-032718 A1	08.02.2007
		US 2007-038044 A1	15.02.2007
		US 2007-045902 A1	01.03.2007
		US 2007-059196 A1	15.03.2007
		US 2007-066873 A1	22.03.2007
		US 2007-093704 A1	26.04.2007
		US 2007-163880 A1	19.07.2007
		US 2007-173708 A9	26.07.2007
		US 2007-173709 A1	26.07.2007
		US 2007-173710 A1	26.07.2007
		US 2007-197890 A1	23.08.2007
		US 2007-203966 A1	30.08.2007
		US 2007-208244 A1	06.09.2007
		US 2007-208245 A1	06.09.2007
		US 2007-208246 A1	06.09.2007
		US 2007-213611 A1	13.09.2007
		US 2007-232879 A1	04.10.2007
		US 2007-235331 A1	11.10.2007
		US 2007-244379 A1	18.10.2007
		US 2007-265515 A1	15.11.2007
		US 2008-021666 A1	24.01.2008
		US 2008-033254 A1	07.02.2008
		US 2008-071156 A1	20.03.2008
		US 2008-083617 A1	10.04.2008
		US 2008-086042 A1	10.04.2008
		US 2008-086044 A1	10.04.2008
		US 2008-086273 A1	10.04.2008
		US 2008-108942 A1	08.05.2008
		US 2008-119703 A1	22.05.2008
		US 2008-119704 A1	22.05.2008
		US 2008-119706 A1	22.05.2008
		US 2008-183061 A1	31.07.2008
		US 2008-183399 A1	31.07.2008

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/047191

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 2008-188731 A1	07.08.2008
		US 2008-189051 A1	07.08.2008
		US 2008-194935 A1	14.08.2008
		US 2008-194936 A1	14.08.2008
		US 2008-194937 A1	14.08.2008
		US 2008-194938 A1	14.08.2008
		US 2008-195967 A1	14.08.2008
		US 2008-197024 A1	21.08.2008
		US 2008-200788 A1	21.08.2008
		US 2008-200789 A1	21.08.2008
		US 2008-200791 A1	21.08.2008
		US 2008-214915 A1	04.09.2008
		US 2008-214918 A1	04.09.2008
		US 2008-228051 A1	18.09.2008
		US 2008-228054 A1	18.09.2008
		US 2008-242961 A1	02.10.2008
		US 2008-262469 A1	23.10.2008
		US 2008-275313 A1	06.11.2008
		US 2010-179408 A1	15.07.2010
		US 6558321 B1	06.05.2003
		US 6741877 B1	25.05.2004
		US 6862465 B2	01.03.2005
		US 6931327 B2	16.08.2005
		US 7110803 B2	19.09.2006
		US 7136689 B2	14.11.2006
		US 7192450 B2	20.03.2007
		US 7236890W D	26.06.2007
		US 7276029 B2	02.10.2007
		US 7310544 B2	18.12.2007
		US 7366556 B2	29.04.2008
		US 7379765 B2	27.05.2008
		US 7424318 B2	09.09.2008
		US 7460898 B2	02.12.2008
		US 7467003 B2	16.12.2008
		US 7494465 B2	24.02.2009
		US 7497827 B2	03.03.2009
		US 7519408 B2	14.04.2009
		US 7530950 B2	12.05.2009
		US 7583990 B2	01.09.2009
		US 7591801 B2	22.09.2009
		US 7599726 B2	06.10.2009
		US 7613491 B2	03.11.2009
		US 7615007 B2	10.11.2009
		US 7640048 B2	29.12.2009
		US 7651596 B2	26.01.2010
		US 7654956 B2	02.02.2010
		US 7657297 B2	02.02.2010
		US 7693560 B2	06.04.2010
		US 7711402 B2	04.05.2010
		US 7713574 B2	11.05.2010

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/047191

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 7715893 B2	11.05.2010
		US 7761130 B2	20.07.2010
		US 7771352 B2	10.08.2010
		US 7774145 B2	10.08.2010
		US 7775975 B2	17.08.2010
		US 7778680 B2	17.08.2010
		US 7783333 B2	24.08.2010
		US 7797028 B2	14.09.2010
		US 7826981 B2	02.11.2010
		US 7828728 B2	09.11.2010
		US 7831287 B2	09.11.2010
		US 7857760 B2	28.12.2010
		US 7860545 B2	28.12.2010
		US 7875293 B2	25.01.2011
		US 7885697 B2	08.02.2011
		US 7899511 B2	01.03.2011
		US 7905833 B2	15.03.2011
US 2006-0036141 A1	16.02.2006	AU 2001-80886 A1	25.02.2002
		AU 2007-303239 A1	10.04.2008
		AU 2007-305002 A1	10.04.2008
		AU 2008-230832 A1	02.10.2008
		AU 2008-266162 A1	24.12.2008
		CA 2681412 A1	02.10.2008
		CA 2687980 A1	24.12.2008
		CN 101547633 A	30.09.2009
		EP 1011425 A1	28.06.2000
		EP 1011425 A4	16.06.2004
		EP 1011425 B1	02.05.2007
		EP 1624907 A2	15.02.2006
		EP 1624908 A2	15.02.2006
		EP 1624908 B1	05.01.2011
		EP 1648293 A1	26.04.2006
		EP 1711789 A2	18.10.2006
		EP 1711790 A2	18.10.2006
		EP 1711790 B1	08.09.2010
		EP 1711791 A2	18.10.2006
		EP 1711791 A4	27.02.2008
		EP 1711802 A2	18.10.2006
		EP 1711802 B1	14.07.2010
		EP 1718350 A1	08.11.2006
		EP 1742568 A2	17.01.2007
		EP 1776036 A1	25.04.2007
		EP 1804650 A1	11.07.2007
		EP 1893084 A2	05.03.2008
		EP 1991110 A2	19.11.2008
		EP 2004796 A2	24.12.2008
		EP 2069772 A2	17.06.2009
		EP 2091409 A2	26.08.2009
		EP 2129285 A1	09.12.2009

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/047191

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		EP 2155045 A1	24.02.2010
		EP 2223710 A1	01.09.2010
		EP 2226086 A1	08.09.2010
		EP 2228642 A1	15.09.2010
		EP 2239566 A2	13.10.2010
		EP 2239566 A3	17.11.2010
		EP 2239567 A2	13.10.2010
		EP 2239567 A3	17.11.2010
		EP 2256493 A1	01.12.2010
		JP 04-124827 B2	23.07.2008
		JP 2001-510382 A	31.07.2001
		JP 2006-525853 A	16.11.2006
		JP 2007-501028 A	25.01.2007
		JP 2007-501684 A	01.02.2007
		JP 2007-525276 A	06.09.2007
		JP 2007-535991 A	13.12.2007
		JP 2008-096448 A	24.04.2008
		JP 2008-506468 A	06.03.2008
		JP 2008-506469 A	06.03.2008
		JP 2010-505534 A	25.02.2010
		US 06001067A A	14.12.1999
		US 2004-0011671 A1	22.01.2004
		US 2004-0045879 A1	11.03.2004
		US 2005-0027180 A1	03.02.2005
		US 2005-0027181 A1	03.02.2005
		US 2005-0027462 A1	03.02.2005
		US 2005-0027463 A1	03.02.2005
		US 2005-0031689 A1	10.02.2005
		US 2005-0033132 A1	10.02.2005
		US 2005-0043598 A1	24.02.2005
		US 2005-0054909 A1	10.03.2005
		US 2005-0112169 A1	26.05.2005
		US 2005-0124873 A1	09.06.2005
		US 2005-0143635 A1	30.06.2005
		US 2005-0154271 A1	14.07.2005
		US 2005-0176136 A1	11.08.2005
		US 2005-0177036 A1	11.08.2005
		US 2005-0187720 A1	25.08.2005
		US 2005-0192557 A1	01.09.2005
		US 2005-0203360 A1	15.09.2005
		US 2005-0245795 A1	03.11.2005
		US 2006-0015024 A1	19.01.2006
		US 2006-0016700 A1	26.01.2006
		US 2006-0019327 A1	26.01.2006
		US 2006-0020186 A1	26.01.2006
		US 2006-0020187 A1	26.01.2006
		US 2006-0020188 A1	26.01.2006
		US 2006-0020189 A1	26.01.2006
		US 2006-0020190 A1	26.01.2006
		US 2006-0020191 A1	26.01.2006

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/047191

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 2006-0020192 A1	26.01.2006
		US 2006-0036139 A1	16.02.2006
		US 2006-0036140 A1	16.02.2006
		US 2006-0036142 A1	16.02.2006
		US 2006-0036143 A1	16.02.2006
		US 2006-0036144 A1	16.02.2006
		US 2006-0036145 A1	16.02.2006
		US 2006-0040402 A1	23.02.2006
		US 2006-0142651 A1	29.06.2006
		US 2006-0155180 A1	13.07.2006
		US 2006-183984 A1	17.08.2006
		US 2006-183985 A1	17.08.2006
		US 2006-189856 A1	24.08.2006
		US 2006-195029 A1	31.08.2006
		US 2006-198864 A1	07.09.2006
		US 2006-200019 A1	07.09.2006
		US 2006-200020 A1	07.09.2006
		US 2006-200970 A1	14.09.2006
		US 2006-204536 A1	14.09.2006
		US 2006-222566 A1	05.10.2006
		US 2006-229512 A1	12.10.2006
		US 2006-235285 A1	19.10.2006
		US 2006-249381 A1	09.11.2006
		US 2006-252027 A1	09.11.2006
		US 2006-253012 A1	09.11.2006
		US 2006-258929 A1	16.11.2006
		US 2006-270922 A1	30.11.2006
		US 2006-270923 A1	30.11.2006
		US 2007-016381 A1	18.01.2007
		US 2007-027370 A1	01.02.2007
		US 2007-027384 A1	01.02.2007
		US 2007-027385 A1	01.02.2007
		US 2007-032706 A1	08.02.2007
		US 2007-032717 A1	08.02.2007
		US 2007-032718 A1	08.02.2007
		US 2007-038044 A1	15.02.2007
		US 2007-045902 A1	01.03.2007
		US 2007-059196 A1	15.03.2007
		US 2007-066873 A1	22.03.2007
		US 2007-093704 A1	26.04.2007
		US 2007-163880 A1	19.07.2007
		US 2007-173708 A9	26.07.2007
		US 2007-173709 A1	26.07.2007
		US 2007-173710 A1	26.07.2007
		US 2007-197890 A1	23.08.2007
		US 2007-203966 A1	30.08.2007
		US 2007-208244 A1	06.09.2007
		US 2007-208245 A1	06.09.2007
		US 2007-208246 A1	06.09.2007
		US 2007-213611 A1	13.09.2007

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/047191

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 2007-232879 A1	04. 10. 2007
		US 2007-235331 A1	11. 10. 2007
		US 2007-244379 A1	18. 10. 2007
		US 2007-265515 A1	15. 11. 2007
		US 2008-021666 A1	24. 01. 2008
		US 2008-033254 A1	07. 02. 2008
		US 2008-071156 A1	20. 03. 2008
		US 2008-083617 A1	10. 04. 2008
		US 2008-086042 A1	10. 04. 2008
		US 2008-086044 A1	10. 04. 2008
		US 2008-086273 A1	10. 04. 2008
		US 2008-108942 A1	08. 05. 2008
		US 2008-119703 A1	22. 05. 2008
		US 2008-119704 A1	22. 05. 2008
		US 2008-119706 A1	22. 05. 2008
		US 2008-183061 A1	31. 07. 2008
		US 2008-183399 A1	31. 07. 2008
		US 2008-188731 A1	07. 08. 2008
		US 2008-189051 A1	07. 08. 2008
		US 2008-194935 A1	14. 08. 2008
		US 2008-194936 A1	14. 08. 2008
		US 2008-194937 A1	14. 08. 2008
		US 2008-194938 A1	14. 08. 2008
		US 2008-195967 A1	14. 08. 2008
		US 2008-197024 A1	21. 08. 2008
		US 2008-200788 A1	21. 08. 2008
		US 2008-200789 A1	21. 08. 2008
		US 2008-200791 A1	21. 08. 2008
		US 2008-214915 A1	04. 09. 2008
		US 2008-214918 A1	04. 09. 2008
		US 2008-228051 A1	18. 09. 2008
		US 2008-228054 A1	18. 09. 2008
		US 2008-242961 A1	02. 10. 2008
		US 2008-262469 A1	23. 10. 2008
		US 2008-275313 A1	06. 11. 2008
		US 2009-076361 A1	19. 03. 2009
		US 2009-143660 A1	04. 06. 2009
		US 2009-156919 A1	18. 06. 2009
		US 2009-163790 A1	25. 06. 2009
		US 2010-174157 A1	08. 07. 2010
		US 2010-174158 A1	08. 07. 2010
		US 2010-174163 A1	08. 07. 2010
		US 2010-174164 A1	08. 07. 2010
		US 2010-174165 A1	08. 07. 2010
		US 2010-174166 A1	08. 07. 2010
		US 2010-179404 A1	15. 07. 2010
		US 2010-185069 A1	22. 07. 2010
		US 2010-191082 A1	29. 07. 2010
		US 2010-212583 A1	26. 08. 2010
		US 2010-223013 A1	02. 09. 2010

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/047191

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 2010-223022 A1	02.09.2010
		US 2010-223023 A1	02.09.2010
		US 2010-228109 A1	09.09.2010
		US 2010-228497 A1	09.09.2010
		US 6558321 B1	06.05.2003
		US 6741877 B1	25.05.2004
		US 6862465 B2	01.03.2005
		US 6931327 B2	16.08.2005
		US 7110803 B2	19.09.2006
		US 7136689 B2	14.11.2006
		US 7192450 B2	20.03.2007
		US 7236890W D	26.06.2007
		US 7276029 B2	02.10.2007
		US 7310544 B2	18.12.2007
		US 7366556 B2	29.04.2008
		US 7379765 B2	27.05.2008
		US 7424318 B2	09.09.2008
		US 7460898 B2	02.12.2008
		US 7467003 B2	16.12.2008
		US 7494465 B2	24.02.2009
		US 7497827 B2	03.03.2009
		US 7519408 B2	14.04.2009
		US 7530950 B2	12.05.2009
		US 7583990 B2	01.09.2009
		US 7591801 B2	22.09.2009
		US 7599726 B2	06.10.2009
		US 7613491 B2	03.11.2009
		US 7615007 B2	10.11.2009
		US 7640048 B2	29.12.2009
		US 7651596 B2	26.01.2010
		US 7654956 B2	02.02.2010
		US 7657297 B2	02.02.2010
		US 7693560 B2	06.04.2010
		US 7711402 B2	04.05.2010
		US 7713574 B2	11.05.2010
		US 7715893 B2	11.05.2010
		US 7761130 B2	20.07.2010
		US 7771352 B2	10.08.2010
		US 7774145 B2	10.08.2010
		US 7775975 B2	17.08.2010
		US 7778680 B2	17.08.2010
		US 7783333 B2	24.08.2010
		US 7797028 B2	14.09.2010
		US 7826981 B2	02.11.2010
		US 7828728 B2	09.11.2010
		US 7831287 B2	09.11.2010
		US 7857760 B2	28.12.2010
		US 7860545 B2	28.12.2010
		US 7875293 B2	25.01.2011
		US 7885697 B2	08.02.2011

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/047191

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 7899511 B2	01.03.2011
		US 7905833 B2	15.03.2011
US 5791233 A1	11.08.1998	GB 2305419 A	09.04.1997
		JP 09-124277 A	13.05.1997
US 2008-0228055 A1	18.09.2008	CA 2653616 A1	14.12.2006
		EP 1893079 A2	05.03.2008
		US 2010-137699 A1	03.06.2010
		US 7670288 B2	02.03.2010
		WO 2006-133348 A2	14.12.2006
		WO 2006-133348 A3	28.06.2007
		WO 2006-133348 A3	14.12.2006