

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2766200

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
EXAFLOP LLC	03/04/2014
RECEIVING PARTY DATA	
Name:	GOOGLE INC.
Street Address:	1600 AMPHITHEATRE PARKWAY
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043
PROPERTY NUMBERS Total: 58	
Property Type	Number
Application Number:	11756939
Application Number:	60810449
Application Number:	11757345
Application Number:	13050716
Application Number:	11757347
Application Number:	13101045
Application Number:	60810668
Application Number:	60810452
Application Number:	11757316
Application Number:	11546467
Application Number:	11545944
Application Number:	12957835
Application Number:	12020339
Application Number:	12059569
Application Number:	12983654
Application Number:	13088065
Application Number:	60976265
Application Number:	12060077
Application Number:	13172092
Application Number:	12060211
Application Number:	12144409

PATENT

Property Type	Number
Application Number:	60946699
Application Number:	12611069
Application Number:	13372100
Application Number:	12134970
Application Number:	12060222
Application Number:	12354683
Application Number:	61016419
Application Number:	11779606
Application Number:	13291460
Application Number:	11774447
Application Number:	12134509
Application Number:	13101077
Application Number:	12134611
Application Number:	13101096
Application Number:	12610075
Application Number:	12060165
Application Number:	12060130
Application Number:	11774257
Application Number:	12631644
Application Number:	12761981
Application Number:	13617349
Application Number:	11757348
Application Number:	12146196
Application Number:	12146281
Application Number:	12786330
Application Number:	12052624
Application Number:	12202991
Application Number:	13093098
Application Number:	11877432
Application Number:	12493107
Application Number:	61076104
Application Number:	12981671
Application Number:	12355573
Application Number:	12892116
Application Number:	12611061
Application Number:	13651905
Application Number:	12815940

CORRESPONDENCE DATA

PATENT

REEL: 032441 FRAME: 0920

Fax Number: (877)769-7945

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

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Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	16113-0136001
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NAME OF SUBMITTER:	MELVIN SMITH
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SIGNATURE:	/Melvin Smith Jr./
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DATE SIGNED:	03/13/2014
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Total Attachments: 9

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ASSIGNMENT OF PATENT RIGHTS

Assignor: EXAFLOP LLC
1600 Amphitheatre Parkway
Mountain View, California 94043
United States of America

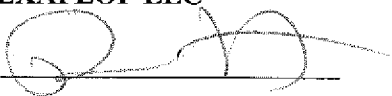
Assignee: GOOGLE INC.
1600 Amphitheatre Parkway
Mountain View, California 94043
United State of America

1. Assignor represents that it is the owner of the inventions and improvements which are the subject of the Patent(s) and Patent Application(s) listed on attached Schedule A, and all related foreign and domestic patents, patent applications, provisionals, divisionals, continuations, continuations-in-part, reissues, re-examinations, certificates of invention, and the like that may issue from or which derive priority from the listed Patent(s) and Patent Application(s) (all of which are collectively referred to as the "Patent Rights"). Assignor represents that Assignor has the full right to convey the interest assigned by this Assignment, and that Assignor has not executed and will not execute any agreement in conflict with this Assignment.
2. Assignor hereby assigns to Assignee its entire worldwide right, title, and interest in and to the Patent Rights, and acknowledges receipt of fair and adequate consideration for such Assignment.
3. Assignor hereby assigns to Assignee all the Assignor's right, title, and interest in and to any claims (known or unknown, suspected or unsuspected) of any nature that Assignor has or may have against any party for infringement of the Patent Rights, and acknowledges receipt of fair and adequate consideration for such Assignment.
4. Assignor hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from any patent application within the Patent Rights to Assignee, as the Assignee of the entire interest therein.

5. Assignor grants to Assignee the power to insert on this Assignment any further identification or information relating to the above-indicated Patent Rights which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.
6. This agreement is binding upon and inures to the benefit of the successors and assigns of the parties.

The undersigned is duly authorized to sign this document on behalf of the Assignor

Assignor: **EXAFLOP LLC**

Signature: 

Name: Douglas T. Hudson

Title: Authorized Signatory

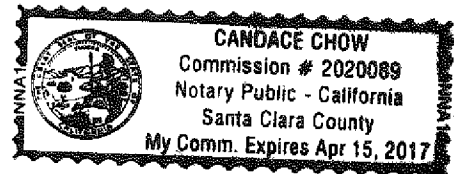
State of California)
County of Santa Clara)

On March 4, 2014 before me, personally appeared Douglas T. Hudson, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature  (Seal)



Assignee Acknowledgement

Assignee: **GOOGLE INC.**

Signature: 

Name: Allen Lo

Title: Deputy General Counsel & Assistant Secretary of Google Inc.

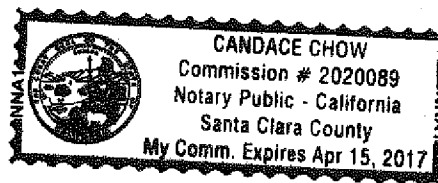
State of California)
County of Santa Clara

On Feb. 28, 2014 before me, personally appeared
Allen Lo, who proved to me on the basis of satisfactory
evidence to be the person(s) whose name(s) is/are subscribed to the within
instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or entity upon behalf of which the person(s) acted,
executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that
the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature  (Seal)



SCHEDULE A

Country	Appl. No.	Official Filing Date	Title	Atty Docket
Australia	2009251675.0	3/31/2009	WARM FLOOR DATA CENTER	16113-0578AU1
Australia	2009261991.0	6/26/2009	DATA CENTER THERMAL MONITORING	16113-1203AU1
Brazil	112012010390-3	11/2/2010	DATA CENTER COOLING	16113-0561BR1
Brazil	PI0914537-0	6/26/2009	DATA CENTER THERMAL MONITORING	16113-1203BR1
Canada	2653778.0	6/27/2006	DATA CENTER UNINTERRUPTIBLE POWER DISTRIBUTION ARCHITECTURE	16113-0136CA1
Canada	2653806.0	6/27/2006	WARM COOLING FOR ELECTRONICS	16113-0137CA1
Canada	2653808.0	6/27/2006	CONTROLLED WARM AIR CAPTURE	16113-0138CA1
Canada	2779239.0	10/25/2010	CONVECTION COOLING OF DATA CENTER USING CHIMNEY	16113-0577CA1
Canada	2720014.0	3/31/2009	WARM FLOOR DATA CENTER	16113-0578CA1
Canada	2729143.0	6/26/2009	DATA CENTER THERMAL MONITORING	16113-1203CA1
Chile	1564-2010	6/26/2009	DATA CENTER THERMAL MONITORING	16113-1203CL1
China	200680055448.7	6/27/2006	DATA CENTER UNINTERRUPTIBLE POWER DISTRIBUTION ARCHITECTURE	16113-0136CN1
China	200680055420.3	6/27/2006	WARM COOLING FOR ELECTRONICS	16113-0137CN1
China	200680055450.4	6/27/2006	CONTROLLED WARM AIR CAPTURE	16113-0138CN1
China	200680055429.4	10/10/2006	DISTRIBUTED POWER-UP	16113-0180CN1
China	200680056577.8	10/10/2006	UPDATING A POWER SUPPLY MICROCONTROLLER	16113-0183CN1
China	201080056363.7	11/2/2010	DATA CENTER COOLING	16113-0561CN1
China	200880106672.3	7/18/2008	POWER SUPPLY FOR A DATA CENTER	16113-0568CN1
China	201080056706.X	10/25/2010	CONVECTION COOLING OF DATA CENTER USING CHIMNEY	16113-0577CN1
China	200980117359.4	3/31/2009	WARM FLOOR DATA CENTER	16113-0578CN1
China	201080056500.7	11/2/2010	DATA CENTER WITH LOW POWER USAGE EFFECTIVENESS	16113-1629CN1
Europe	11831240.4	9/26/2011	POWER ALLOTMENT DISTRIBUTION IN A DATA CENTER	16113-1462EP1
Europe	10827660.1	11/2/2010	DATA CENTER COOLING	16113-0561EP1
Europe	10827364.0	10/25/2010	CONVECTION COOLING OF DATA CENTER USING CHIMNEY	16113-0577EP1
Europe	10827662.7	11/2/2010	DATA CENTER WITH LOW POWER USAGE EFFECTIVENESS	16113-1629EP1

Country	Appln. No.	Official Filing Date	Title	Atty Docket
Europe	11740261.0	2/1/2011	BLENDED WATER-BASED DATA CENTER COOLING	16113-2139EP1
Europe	6785607.0	6/27/2006	DATA CENTER UNINTERRUPTIBLE POWER DISTRIBUTION ARCHITECTURE	16113-0136EP1
Europe	6774031.6	6/27/2006	WARM COOLING FOR ELECTRONICS	16113-0137EP1
Europe	6785588.2	6/27/2006	CONTROLLED WARM AIR CAPTURE	16113-0138EP1
Europe	6825850.8	10/10/2006	DISTRIBUTED POWER-UP	16113-0180EP1
Europe	6816708.9	10/10/2006	UPDATING A POWER SUPPLY MICROCONTROLLER	16113-0183EP1
Europe	8782060.1	7/18/2008	POWER SUPPLY FOR A DATA CENTER	16113-0568EP1
Europe	9755403.4	3/31/2009	WARM FLOOR DATA CENTER	16113-0578EP1
Europe	9774214.5	6/26/2009	DATA CENTER THERMAL MONITORING	16113-1203EP1
France	6785588.2	6/27/2006	CONTROLLED WARM AIR CAPTURE	16113-0138FR1
Germany	6785588.2	6/27/2006	CONTROLLED WARM AIR CAPTURE	16113-0138DE1
Hong Kong	13101355.2	11/2/2010	DATA CENTER COOLING	16113-0561HK1
Hong Kong	13105082.3	2/1/2011	BLENDED WATER-BASED DATA CENTER COOLING	16113-2139HK1
Hong Kong	200880106672.3	7/18/2008	POWER SUPPLY FOR A DATA CENTER	16113-0568HK1
Hong Kong	11107071.4	3/31/2009	WARM FLOOR DATA CENTER	16113-0578HK1
Hong Kong	11109197.9	6/26/2009	DATA CENTER THERMAL MONITORING	16113-1203HK1
Hong Kong	13101357.0	11/2/2010	DATA CENTER WITH LOW POWER USAGE EFFECTIVENESS	16113-1629HK1
India	2801/MUMNP/2008	6/27/2006	DATA CENTER UNINTERRUPTIBLE POWER DISTRIBUTION ARCHITECTURE	16113-0136IN1
India	2800/MUMNP/2008	6/27/2006	WARM COOLING FOR ELECTRONICS	16113-0137IN1
India	2799/MUMNP/2008	6/27/2006	CONTROLLED WARM AIR CAPTURE	16113-0138IN1
Ireland	6785588.2	6/27/2006	CONTROLLED WARM AIR CAPTURE	16113-0138IE1
Japan	2011-516741	6/26/2009	DATA CENTER THERMAL MONITORING	16113-1203JP1
Malaysia	P12010004580	3/31/2009	WARM FLOOR DATA CENTER	16113-0578MY1
Mexico	MX/a/2010/014463	6/26/2009	DATA CENTER THERMAL MONITORING	16113-1203MX1
Netherlands	6785588.2	6/27/2006	WARM AIR CAPTURE	16113-0138NL1
Singapore	201007163-7	3/31/2009	WARM FLOOR DATA CENTER	16113-0578SG1
Singapore	201302349-4	3/31/2009	WARM FLOOR DATA CENTER	16113-0578SG2
Singapore	201302348-6	9/26/2011	POWER ALLOTMENT DISTRIBUTION IN A DATA CENTER	16113-1462SG1

Country	Appln. No.	Official Filing Date	Title	Atty Docket
Singapore	201009555-2	6/26/2009	DATA CENTER THERMAL MONITORING	16113-1203SG1
Singapore	201205747-7	2/1/2011	BLENDED WATER-BASED DATA CENTER COOLING	16113-2139SG1
South Korea	2009-7009579	10/10/2006	UPDATING A POWER SUPPLY MICROCONTROLLER	16113-0183KR1
South Korea	2010-7003619	7/18/2008	POWER SUPPLY FOR A DATA CENTER	16113-0568KR1
South Korea	2010-7024573	3/31/2009	WARM FLOOR DATA CENTER	16113-0578KR1
Sweden	6785588.2	6/27/2006	CONTROLLED WARM AIR CAPTURE	16113-0138SE1
Taiwan	96138047.0	10/11/2007	UPDATING A POWER SUPPLY MICROCONTROLLER	16113-0183TW1
Taiwan	95123118	6/27/2006	DATA CENTER UNINTERRUPTIBLE POWER DISTRIBUTION ARCHITECTURE	16113-0136TW1
Taiwan	100134882.0	9/27/2011	POWER ALLOTMENT DISTRIBUTION IN A DATA CENTER	16113-1462TW1
United Kingdom	6785588.2	6/27/2006	CONTROLLED WARM AIR CAPTURE	16113-0138GB1
United States	11756,939	6/1/2007	DATA CENTER UNINTERRUPTIBLE POWER DISTRIBUTION ARCHITECTURE	16113-0136001
United States	60/810,449	6/1/2006	DATA CENTER UNINTERRUPTIBLE POWER DISTRIBUTION ARCHITECTURE	16113-0136P01
United States	11757,345	6/1/2007	WARM WATER COOLING	16113-0137001
United States	13/050,716	3/17/2011	WARM WATER COOLING	16113-0137002
United States	13/617,936	9/14/2012	WARM WATER COOLING	16113-0137003
United States	60/810,668	6/1/2006	WARM COOLING FOR ELECTRONICS	16113-0137P01
United States	11757,316	6/1/2007	CONTROLLED WARM AIR CAPTURE	16113-0138001
United States	11757,347	6/1/2007	COMPUTING ENVIRONMENTS	16113-0138002
United States	13/101,045	5/4/2011	CONTROLLED WARM AIR CAPTURE	16113-0138003
United States	60/810,452	6/1/2006	CONTROLLED WARM AIR CAPTURE	16113-0138P01
United States	11/546,467	10/10/2006	METHOD FOR SUPPLYING POWER TO COMPUTING DEVICES FROM PRIMARY POWER SOURCE AFTER A DELAY TIME INVOLVES A UNIQUE SEED VALUE OF EACH COMPUTING DEVICE	16113-0180001
United States	11/545,944	10/10/2006	UPDATING A POWER SUPPLY MICROCONTROLLER	16113-0183001
United States	12/957,835	12/1/2010	UPDATING A POWER SUPPLY MICROCONTROLLER	16113-0183002
United States	12/020,339	1/25/2008	POWER CONSUMPTION MEASUREMENT	16113-0187001
United States	60/915,335	5/1/2007	POWER CONSUMPTION MEASUREMENT	16113-0187P01

Country	Appl. No.	Official Filing Date	Title	Atty Docket
United States	12/059,569	3/31/2008	CHANGING DATA CENTER COOLING MODES	16113-0550001
United States	12/983,654	1/3/2011	CHANGING DATA CENTER COOLING MODES	16113-0550002
United States	13/088,065	4/15/2011	DATA CENTER COOLING CIRCULATION	16113-0550003
United States	60/976,265	9/28/2007	DATA CENTER UTILITIES	16113-0550P01
United States	12/060,077	3/31/2008	CHANGING DATA CENTER COOLING MODES	16113-0555001
United States	13/172,092	6/29/2011	CHANGING DATA CENTER COOLING MODES	16113-0555002
United States	12/060,211	3/31/2008	DATA CENTER DESIGN	16113-0559001
United States	12/144,409	6/23/2008	COOLING AND POWER GRIDS FOR DATA CENTER	16113-0560001
United States	60/946,699	6/27/2007	COOLING AND POWER GRIDS FOR DATA CENTER	16113-0560P01
United States	12/611,069	11/2/2009	DATA CENTER COOLING	16113-0561001
United States	13/372,100	2/13/2012	DATA CENTER COOLING	16113-0561002
United States	12/134,970	6/6/2008	DATA CENTER LOAD MONITORING	16113-0564001
United States	12/060,222	3/31/2008	ELECTRONIC DEVICE COOLING SYSTEM WITH STORAGE	16113-0567001
United States	12/354,683	1/15/2009	ELECTRONIC DEVICE COOLING SYSTEM	16113-0567002
United States	14/047,574	10/7/2013	ELECTRONIC DEVICE COOLING SYSTEM WITH STORAGE	16113-0567003
United States	61/016,419	12/21/2007	ELECTRONIC DEVICE COOLING SYSTEM WITH STORAGE	16113-0567P01
United States	11/779,606	7/18/2007	DIRECT-COUPLED IT LOAD	16113-0568001
United States	13/291,460	11/8/2011	DIRECT-COUPLED IT LOAD	16113-0568002
United States	11/774,447	7/6/2007	DATA CENTER POWER DISTRIBUTION	16113-0569001
United States	12/134,509	6/6/2008	COMPUTER AND DATA CENTER LOAD DETERMINATION	16113-0570001
United States	13/101,077	5/4/2011	COMPUTER AND DATA CENTER LOAD DETERMINATION	16113-0570002
United States	12/134,611	6/6/2008	LOAD CONTROL IN A DATA CENTER	16113-0571001
United States	13/101,096	5/4/2011	LOAD CONTROL IN A DATA CENTER	16113-0571002
United States	12/610,075	10/30/2009	CONVECTION COOLING OF DATA CENTER USING CHIMNEY	16113-0577001
United States	12/060,165	3/31/2008	WARM FLOOR DATA CENTER	16113-0578001
United States	12/060,130	3/31/2008	COOLING DIVERSITY IN DATA CENTERS	16113-0579001
United States	11/774,257	7/6/2007	MODULAR DATA CENTER COOLING	16113-0584001
United States	12/631,644	12/4/2009	MODULAR DATA CENTER COOLING	16113-0584002

Country	Appln. No.	Official Filing Date	Title	Atty Docket
United States	12/761,981	4/16/2010	EVAPORATIVE INDUCTION COOLING	16113-0585001
United States	13/617,349	9/14/2012	EVAPORATIVE INDUCTION COOLING	16113-0585002
United States	11/757,348	6/1/2007	DATA CENTER AIR CIRCULATION	16113-0668001
United States	12/146,196	6/25/2008	COOLING AND POWER PATHS FOR DATA CENTER	16113-0868001
United States	12/146,281	6/25/2008	ORTHOGONALLY SYSTEM ARRANGEMENTS FOR DATA CENTER FACILITY	16113-0869001
United States	12/786,330	5/24/2010	ORTHOGONALLY SYSTEM ARRANGEMENTS FOR DATA CENTER FACILITY	16113-0869002
United States	12/052,624	3/20/2008	VOLTAGE REGULATOR HAVING CURRENT INJECTION	16113-0898001
United States	12/202,991	9/2/2008	MODULAR DATA CENTER COOLING	16113-0923001
United States	13/093,098	4/25/2011	MODULAR DATA CENTER COOLING	16113-0923002
United States	12/432,567	4/29/2009	DATA CENTER UNINTERRUPTIBLE POWER DISTRIBUTION ARCHITECTURE	16113-0136002
United States	11/877,432	10/23/2007	SERVER POWER MEASUREMENT	16113-0946001
United States	12/493,107	6/26/2009	DATA CENTER THERMAL MONITORING	16113-1203001
United States	61/076,104	6/26/2008	DATA CENTER THERMAL MONITORING	16113-1203P01
United States	12/981,671	12/30/2010	DATA CENTER THERMAL MONITORING	16113-1206001
United States	12/355,573	1/16/2009	NEGOTIATING CAPACITY ALLOCATION AMONG DISTRIBUTED CURRENT PROTECTION DEVICES	16113-1461001
United States	12/892,116	9/28/2010	POWER ALLOTMENT DISTRIBUTION IN A DATA CENTER	16113-1462001
United States	13/854,265	4/1/2013	COOLING DIVERSITY IN DATA CENTERS	16113-0579002
United States	13/685,483	11/26/2012	MODULAR DATA CENTER COOLING	16113-0584003
United States	60/947,361	6/29/2007	MODULAR DATA CENTER COOLING	16113-0584P01
United States	60/969,577	8/31/2007	MODULE DATA CENTER COOLING	16113-0923P01
United States	12/611,061	11/2/2009	DATA CENTER WITH LOW POWER USAGE EFFECTIVENESS	16113-1629001
United States	13/651,905	10/15/2012	DATA CENTER WITH LOW POWER USAGE EFFECTIVENESS	16113-1629002
United States	12/815,940	6/15/2010	FLUID POWERED DATA CENTER	16113-1962001
United States	61/300,821	2/2/2010	BLENDED WATER-BASED DATA CENTER COOLING	16113-2139P01
United States	13/058,576	2/11/2011	BLENDED WATER-BASED DATA CENTER COOLING	16113-2139US1
WIPO	PCT/US2006/024880	6/27/2006	DATA CENTER UNINTERRUPTIBLE POWER DISTRIBUTION ARCHITECTURE	16113-0136WO1
WIPO	PCT/US2006/024844	6/27/2006	WARM COOLING FOR ELECTRONICS	16113-0137WO1

Country	Appln. No.	Official Filing Date	Title	Atty Docket
WIPO	PCT/US2006/024845	6/27/2006	CONTROLLED WARM AIR CAPTURE	16113-0138WO1
WIPO	PCT/US2006/039928	10/10/2006	DISTRIBUTED POWER-UP	16113-0180WO1
WIPO	PCT/US2006/039715	10/10/2006	UPDATING A POWER SUPPLY MICROCONTROLLER	16113-0183WO1
WIPO	PCT/US2010/055139	11/2/2010	DATA CENTER COOLING	16113-0561WO1
WIPO	PCT/US2008/070475	7/18/2008	POWER SUPPLY FOR A DATA CENTER	16113-0568WO1
WIPO	PCT/US2010/053927	10/25/2010	CONVECTION COOLING OF DATA CENTER USING CHIMNEY	16113-0577WO1
WIPO	PCT/US2009/039011	3/31/2009	WARM FLOOR DATA CENTER	16113-0578WO1
WIPO	PCT/US2011/032568	4/14/2011	EVAPORATIVE INDUCTION COOLING	16113-0585WO1
WIPO	PCT/US2009/048966	6/26/2009	DATA CENTER THERMAL MONITORING	16113-1203WO1
WIPO	99137680.0	11/2/2010	DATA CENTER COOLING	16113-1629TW1
WIPO	PCT/US2010/055147	11/2/2010	DATA CENTER WITH LOW POWER USAGE EFFECTIVENESS	16113-1629WO1
WIPO	PCT/US2011/053222	9/26/2011	POWER ALLOTMENT DISTRIBUTION IN A DATA CENTER	16113-1462WO1
WIPO	PCT/US2011/023350	2/1/2011	BLENDED WATER-BASED DATA CENTER COOLING	16113-2139WO1