

TRADEMARK ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Formerly	Execution Date	Entity Type
IXIA		12/21/2012	CORPORATION: CALIFORNIA

**RECEIVING PARTY DATA**

Name:	Bank of America, N.A., as Administrative Agent
Street Address:	901 Main St.
Internal Address:	Mail Code: TX1-492-14-06
City:	Dallas
State/Country:	TEXAS
Postal Code:	75202
Entity Type:	NATIONAL BANKING ASSOCIATION: UNITED STATES

PROPERTY NUMBERS Total: 32

Property Type	Number	Word Mark
Registration Number:	3397021	APTIXIA
Registration Number:	2297537	CATAPULT COMMUNICATIONS
Registration Number:	1503690	CHAMELEON
Registration Number:	2571829	DCT2000
Registration Number:	4085080	ENABLING A CONVERGED WORLD
Registration Number:	4151381	IMPAIRNET
Registration Number:	3966464	IXCATAPULT
Registration Number:	2974112	IXCHARIOT
Serial Number:	85756114	IXCLOUDPERF
Registration Number:	3743521	IXEDGE
Registration Number:	2392826	IXEXPLORER
Registration Number:	2616682	IXIA
Registration Number:	3828628	IXIA

CH \$815.00 3397021

Registration Number:	3354915	IXLOAD
Registration Number:	3278962	IXNETWORK
Registration Number:	3121098	IXPROFILE
Registration Number:	2449799	MGTS
Registration Number:	2311797	
Registration Number:	3489272	
Registration Number:	3319495	N2X
Registration Number:	2654846	OPTIXIA
Registration Number:	2594810	QCHECK
Registration Number:	3248026	REAL WORLD TRAFFIC
Serial Number:	77558348	TESLA ALLIANCE
Registration Number:	3826165	TESTTALK
Registration Number:	3068884	VERIWAVE
Registration Number:	4091962	XCELLON
Registration Number:	4088784	XCELLON-FLEX
Registration Number:	4088854	XCELLON-LAVA
Serial Number:	85778478	XCELLON-MULTIS
Registration Number:	4088785	XCELLON-ULTRA
Registration Number:	4119489	XDENSITY

**CORRESPONDENCE DATA**

Fax Number: 2149813400  
*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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Email: dclark@sidley.com  
Correspondent Name: Dusan Clark, Esq.  
Address Line 1: Sidley Austin LLP  
Address Line 2: 717 N. Harwood St., Suite 3400  
Address Line 4: Dallas, TEXAS 75201

ATTORNEY DOCKET NUMBER:	27729-38670
NAME OF SUBMITTER:	Dusan Clark
Signature:	/Dusan Clark/
Date:	01/25/2013

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NOTICE  
OF  
GRANT OF SECURITY INTEREST  
IN  
TRADEMARKS

United States Patent and Trademark Office

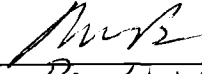
Ladies and Gentlemen:

Please be advised that pursuant to the Security and Pledge Agreement dated as of December 21, 2012 (as amended, modified, extended, restated, renewed, replaced, or supplemented from time to time, the "Agreement") and among the Grantors party thereto (each an "Grantor" and collectively, the "Grantors") and Bank of America, N.A., as administrative agent (the "Administrative Agent") for the Secured Parties referenced therein, the undersigned Grantor has granted a continuing security interest in and continuing lien upon the trademarks and trademark applications shown on Schedule 1 attached hereto to the Administrative Agent for the ratable benefit of the Secured Parties.

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Very truly yours,

IXIA

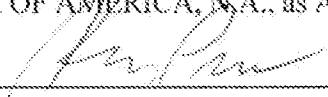
By: 

Name: Ronald W Buckley

Title: SVP, Corporate Affairs and General Counsel

Acknowledged and Accepted:

BANK OF AMERICA, N.A., as Administrative Agent

By: 

Name: \_\_\_\_\_

Title: Ken Furo

Vice President

[Signature Page to Notice of Ixia Grant of Security Interest - Trademarks]

**TRADEMARK**  
**REEL: 004949 FRAME: 0063**

**SCHEDULE 1**  
**TO**  
**NOTICE OF GRANT OF SECURITY INTEREST IN TRADEMARKS**  
**OF IXIA**

<u>Loan Party/Owner</u>	<u>Trademarks</u>	<u>Jurisdiction</u>	<u>Application Number</u>	<u>Application Date</u>	<u>Registration Number</u>	<u>Registration Date</u>
Ixia	N2X	Australia	1026016	10/20/2004	0126016	2/15/2007
Ixia	CATAPULT COMMUNICATIONS and Design	Canada	1,194,796	10/27/2003	TMA 658,258	2/7/2006
Ixia	ENABLING A CONVERGED WORLD	Canada	1,512,621	1/26/2011	N/A	N/A
Ixia	IMPAIRNET	Canada	1,521,088	3/29/2011	N/A	N/A
Ixia	IXCATAPULT	Canada	1,505,023	11/23/2010	TMA 831,560	9/10/2012
Ixia	IXCLOUDPERF	Canada	1,598,604	10/17/2012	N/A	N/A
Ixia	IXIA	Canada	1,325,422	11/23/2006	TMA 797,802	5/17/2011
Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	Canada	1,325,454	11/23/2006	TMA 710,728	4/2/2008
Ixia	N2X	Canada	1,235,445	10/20/2004	TMA 713,823	5/7/2008
Ixia	XCELLON	Canada	1,498,710	10/6/2010	N/A	N/A
Ixia	XDENSITY	Canada	1,511,985	1/20/2011	N/A	N/A

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Ixia	APTIXIA	China	5742491	11/23/2006	5742491	9/14/2009
Ixia	ENABLING A CONVERGED WORLD	China	9096136	1/27/2011	N/A	N/A
Ixia	IMPAIRNET	China	9277712	3/30/2011	9277712	4/7/2012
Ixia	IXCATAPULT	China	8838238	11/12/2010	8838238	11/28/2011
Ixia	IXCHARIOT	China	5742413	11/23/2006	5742413	9/14/2009
Ixia	IXCLOUDPERF	China	11619746	10/18/2012	N/A	N/A
Ixia	IXEXPLORER	China	8183509	4/7/2010	8183509	4/7/2011
Ixia	IXIA	China	5742412	11/23/2006	5742412	9/14/2009
Ixia	IXIA	China	5742493	11/23/2006	5742493	11/28/2009
Ixia	IXLOAD	China	5742494	11/23/2006	5742494	9/14/2009
Ixia	IXN2X	China	8183506	4/7/2010	8183506	6/21/2011
Ixia	IXNETWORK	China	5742455	11/23/2006	5742455	9/14/2009
Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	China	5742415	11/23/2006	5742415	9/14/2009
Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	China	5742492	11/23/2006	5742492	11/28/2009
Ixia	N2X	China	4363918	11/16/2004	4363918	8/28/2007
Ixia	OPTIXIA	China	5742414	11/23/2006	5742414	9/14/2009



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Ixia	XCELLON	China	8732267	10/12/2010	8732267	10/21/2011
Ixia	XDENSITY	China	9077525	1/21/2011	9077525	1/28/2012
Ixia	APTIXIA	European Union (CTM)	005426622	10/30/2006	005426622	10/18/2007
Ixia	ENABLING A CONVERGED WORLD	European Union (CTM)	009687741	1/26/2011	009687741	7/5/2011
Ixia	IMPAIRNET	European Union (CTM)	009846627	3/28/2011	009846627	8/9/2011
Ixia	IXCATAPULT	European Union (CTM)	009516899	11/11/2010	009516899	5/2/2011
Ixia	IXCHARIOT	European Union (CTM)	005426655	10/30/2006	005426655	5/11/2007
Ixia	IXCLOUDPERF	European Union (CTM)	011274693	10/18/2012	N/A	N/A
Ixia	IXIA	European Union (CTM)	1861855	9/20/2000	1861855	9/20/2000
Ixia	IXIA	European Union (CTM)	005426382	10/30/2006	005426382	10/18/2007
Ixia	IXIA IXNETWORK	European Union (CTM)	005869854	5/2/2007	005869854	4/8/2008
Ixia	IXLOAD	European Union (CTM)	005426671	10/30/2006	005426671	10/18/2007

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Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	European Union (CTM)	002538726	1/17/2002	002538726	1/17/2002
Ixia	MISCELLANEOUSFLOWER DESIGN (IXIA LOGO)	European Union (CTM)	005426598	10/30/2006	005426598	5/11/2007
Ixia	N2X	European Union (CTM)	004097441	11/4/2004	004097441	1/18/2006
Ixia	OPTIXIA	European Union (CTM)	002045987	1/17/2001	002045987	1/17/2001
Ixia	XCELLON	European Union (CTM)	009428566	10/6/2010	009428566	3/14/2011
Ixia	XDENSITY	European Union (CTM)	009674508	1/20/2011	009674508	6/27/2011
Ixia	APTIXIA	India	1503022	11/10/2006	1503022	2/29/2012
Ixia	ENABLING A CONVERGED WORLD	India	2091363	1/28/2011	N/A	N/A
Ixia	IMPAIRNET	India	2124438	4/1/2011	N/A	N/A
Ixia	IXCATAPULT	India	2053779	11/15/2010	N/A	N/A
Ixia	IXCHARIOT	India	1503034	11/10/2006	N/A	N/A
Ixia	IXCLOUDPERF	India	0	10/22/2012	N/A	N/A
Ixia	IXIA	India	1503020	11/10/2006	1503020	2/29/2012

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Ixia	IXIA	India	1503031	11/10/2006	N/A	N/A
Ixia	IXLOAD	India	1503023	11/10/2006	1503023	2/29/2012
Ixia	IXNETWORK	India	1503024	11/10/2006	N/A	N/A
Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	India	1503021	11/10/2006	N/A	N/A
Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	India	1503032	11/10/2006	N/A	N/A
Ixia	N2X	India	1317105	10/25/2004	1317105	12/3/2005
Ixia	OPTIXIA	India	1503033	11/10/2006	N/A	N/A
Ixia	XCELLON	India	2036118	10/11/2010	N/A	N/A
Ixia	XDENSITY	India	2089788	1/25/2011	N/A	N/A
Ixia	ENABLING A CONVERGED WORLD	Israel	235315	1/27/2011	235315	9/3/2012
Ixia	IMPAIRNET	Israel	236711	3/29/2011	236711	6/4/2012
Ixia	IXCATAPULT	Israel	233632	11/11/2010	233632	10/4/2011
Ixia	IXCLOUDPERF	Israel	250182	10/18/2012	N/A	N/A
Ixia	IXIA	Israel	194881	10/30/2006	194881	4/6/2008
Ixia	IXIA	Israel	194879	10/30/2006	194879	4/6/2008
Ixia	MISCELLANEOUS FLOWER	Israel	194880	10/30/2006	194880	4/6/2008

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	DESIGN (IXIA LOGO)					
Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	Israel	194882	10/30/2006	194882	4/6/2008
Ixia	N2X	Israel	175686	10/20/2004	175686	1/5/2006
Ixia	XCELLON	Israel	232925	10/7/2010	232925	10/4/2011
Ixia	XDENSITY	Israel	235142	1/23/2011	235142	1/1/2012
Ixia	APTIXIA	Japan	100323/2006	10/27/2006	5070311	8/10/2007
Ixia	ENABLING A CONVERGED WORLD	Japan	2011-004637	1/26/2011	5420993	6/24/2011
Ixia	IMPAIRNET	Japan	2011-021791	3/29/2011	5434724	8/26/2011
Ixia	IXCATAPULT	Japan	2010-088143	11/12/2010	5431419	8/12/2011
Ixia	IXCHARIOT	Japan	100324/2006	10/27/2006	5066666	7/27/2007
Ixia	IXCLOUDPERF	Japan	2012-084176	10/18/2012	N/A	N/A
Ixia	IXIA	Japan	100795/2006	10/30/2006	5140191	6/13/2008
Ixia	IXLOAD	Japan	100325/2006	10/27/2006	5070312	8/10/2007
Ixia	IXNETWORK	Japan	100326/2006	10/27/2006	5231205	5/15/2009
Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	Japan	100796/2006	10/30/2006	5092279	11/16/2007
Ixia	OPTIXIA	Japan	100797/2006	10/30/2006	5092280	11/16/2007

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Ixia	XCELLON	Japan	2010-078744	10/8/2010	5439081	9/16/2011
Ixia	XDENSITY	Japan	2011-003468	1/21/2011	5422336	7/1/2011
Ixia	N2X	Saudi Arabia	93202	11/21/2004	93202	11/21/2004
Ixia	N2X	Singapore	T04/17840B	10/20/2004	T04/17840B	3/7/2005
Ixia	N2X	South Africa	2004/19204	10/25/2004	2004/19204	10/14/2008
Ixia	CATAPULT COMMUNICATIONS and Design	South Korea	2001-0003476	9/28/2001	45-6844	1/13/2003
Ixia	ENABLING A CONVERGED WORLD	South Korea	40-2011-4442	1/26/2011	40-911186	3/19/2012
Ixia	IMPAIRNET	South Korea	40-2011-16036	3/29/2011	40-909555	3/12/2012
Ixia	IXCATAPULT	South Korea	40-2010-58114	11/11/2010	40-906100	2/22/2012
Ixia	IXCLOUDPERF	South Korea	40-2012-64814	10/18/2012	N/A	N/A
Ixia	IXIA	South Korea	45-2006-0004015	11/6/2006	45-28026	6/24/2009
Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	South Korea	45-2006-0004016	11/6/2006	23010	4/21/2008
Ixia	N2X	South Korea	40-2004-47791	10/22/2004	660604	5/2/2006
Ixia	XDENSITY	South Korea	40-2011-3646	1/21/2011	40-906643	2/24/2012
Ixia	IXCLOUDPERF	Taiwan	101060106	10/23/2012	N/A	N/A

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Ixia	IXIA	Taiwan	101062531	11/2/2012	N/A	N/A
Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	Taiwan	101062535	11/2/2012	N/A	N/A
Ixia	N2X	Taiwan	93048935	10/22/2004	1168646	8/16/2005
Ixia	APTIXIA	United States	77/028,295	10/24/2006	3,397,021	3/18/2008
Ixia	CATAPULT COMMUNICATIONS and Design	United States	75/452,426	3/17/1998	2,297,537	12/7/1999
Ixia	CHAMELEON	United States	73/690,283	10/19/1987	1,503,690	9/13/1988
Ixia	DCT2000	United States	75/670,809	3/29/1999	2,571,829	5/21/2002
Ixia	ENABLING A CONVERGED WORLD	United States	85/226,077	1/25/2011	4,085,080	1/10/2012
Ixia	IMPAIRNET	United States	85/278,307	3/28/2011	4,151,381	5/29/2012
Ixia	IXCATAPULT	United States	85/183,325	11/23/2010	3,966,464	5/24/2011
Ixia	IXCHARIOT	United States	78/324,583	11/7/2003	2,974,112	7/19/2005
Ixia	IXCLOUDPERF	United States	85/756,114	10/17/2012	N/A	N/A
Ixia	IXEDGE	United States	76/375,893	2/27/2002	3,743,521	2/2/2010
Ixia	IXEXPLORER	United States	75/632,232	2/2/1999	2,392,826	10/10/2000
Ixia	IXIA	United States	76/109,658	8/15/2000	2,616,682	9/10/2002

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Ixia	IXIA	United States	77/028,237	10/24/2006	3,828,628	8/3/2010
Ixia	IXLOAD	United States	77/028,244	10/24/2006	3,354,915	12/18/2007
Ixia	IXNETWORK	United States	77/028,282	10/24/2006	3,278,962	8/14/2007
Ixia	IXPROFILE	United States	76/375,974	2/27/2002	3,121,098	7/25/2006
Ixia	MGTS in plain block letters	United States	75/640,369	2/12/1999	2,449,799	5/8/2001
Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	United States	75/630,135	1/28/1999	2,311,797	1/25/2000
Ixia	MISCELLANEOUS FLOWER DESIGN (IXIA LOGO)	United States	77/028,268	10/24/2006	3,489,272	8/19/2008
Ixia	N2X	United States	78/427,201	5/28/2004	3,319,495	10/23/2007
Ixia	OPTIXIA	United States	76/109,657	8/15/2000	2,654,846	11/26/2002
Ixia	QCHECK	United States	75/719,516	6/2/1999	2,594,810	7/16/2002
Ixia	REAL WORLD TRAFFIC	United States	78/141,014	7/3/2002	3,248,026	5/29/2007
Ixia	TESLA ALLIANCE	United States	77/558,348	8/28/2008	N/A	N/A
Ixia	TESTTALK (Stylized)	United States	77/727,708	5/2/2009	3,826,165	7/27/2010
Ixia	VERIWAVE	United States	78/152,276	8/8/2002	3,068,884	3/14/2006
Ixia	XCELLON	United States	85/145,976	10/6/2010	4,091,962	1/24/2012
Ixia	XCELLON-FLEX	United States	85/145,980	10/6/2010	4,088,784	1/17/2012

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Ixia	XCELLON-LAVA	United States	85/159,355	10/22/2010	4,088,854	1/17/2012
Ixia	XCELLON-MULTIS	United States	85/778,478	11/13/2012	N/A	N/A
Ixia	XCELLON-ULTRA	United States	85/145,982	10/6/2010	4,088,785	1/17/2012
Ixia	XDENSITY	United States	85/221,806	1/20/2011	4,119,489	3/27/2012