

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PGT Photonics S.p.A.	12/13/2010
RECEIVING PARTY DATA	
Name:	MOSAID Technologies Incorporated
Street Address:	11 Hines Road
Internal Address:	Suite 203
City:	Ottawa
State/Country:	CANADA
Postal Code:	K2K 2X1
PROPERTY NUMBERS Total: 23	
Property Type	Number
Application Number:	11922563
Application Number:	12919578
Application Number:	12936723
Application Number:	12919591
Application Number:	12513993
Application Number:	12514008
Application Number:	12513818
Application Number:	12519404
Application Number:	12520914
Application Number:	12897456
Application Number:	10584853
Application Number:	10592032
Application Number:	10593697
Application Number:	11631111

501558864

PATENT
REEL: 026411 FRAME: 0397

CH \$920.00 11922563

Application Number:	11793238
Application Number:	11793290
Application Number:	12966619
Application Number:	12084318
Application Number:	12087063
Application Number:	12087064
Application Number:	13038990
Application Number:	12739842
Application Number:	12739840

CORRESPONDENCE DATA

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Total Attachments: 15

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EXHIBIT B1

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, PGT Photonics S.p.A. in liquidazione, an Italian company, with an office at Viale Sarca 222, 20126 Milano, Italy ("**Assignor**"), does hereby sell, assign, transfer, and convey unto MOSAID Technologies Incorporated, a Canadian company, with an address at 11 Hines Road, Suite 203, Ottawa, Ontario K2K 2X1, Canada ("**Assignee**"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**"):

- (a) the provisional patent applications, patent applications and patents listed in the table on pgs. 26 to 36 of this Assignment of Patent Rights (the "**Patents**");
- (b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, (ii) for which any of the Patents directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Patents;
- (c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, divisionals, registrations of any item in any of the foregoing categories (a) and (b);
- (d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
- (e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents on pgs. 26 to 36 of this Assignment of Patent Rights and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
- (f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (e) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (e), (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceedings brought on any of the Patents and/or any item in the foregoing categories (b) through (e), and/or (iii) could have been included as a claim in any of the Patents and/or any item in the foregoing categories (b) through (e);
- (g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
- (h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for

- (1) damages,
- (2) injunctive relief, and
- (3) any other remedies of any kind

for past, current, and future infringement; and

- (i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

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EXHIBIT B1

Case Number	Country	Application Number	Filing Date	Patent Number	Issue Date	Title
PB1182	CANADA	UNKNOWN	2/29/2008	—	—	OPTICAL MODE TRANSFORMER, IN PARTICULAR FOR COUPLING AN OPTICAL FIBER AND A HIGH-INDEX CONTRAST WAVEGUIDE
PB1182	USA - UTL	12919,578	2/29/2008	—	—	OPTICAL MODE TRANSFORMER, IN PARTICULAR FOR COUPLING AN OPTICAL FIBER AND A HIGH-INDEX CONTRAST WAVEGUIDE
PB1182	JAPAN	2010-547965	2/29/2008	—	—	OPTICAL MODE TRANSFORMER, IN PARTICULAR FOR COUPLING AN OPTICAL FIBER AND A HIGH-INDEX CONTRAST WAVEGUIDE
PB1182	EPO	08749504.0	2/29/2008	—	—	OPTICAL MODE TRANSFORMER, IN PARTICULAR FOR COUPLING AN OPTICAL FIBER AND A HIGH-INDEX CONTRAST WAVEGUIDE
PB1184	CANADA	2,720,036	4/11/2008	—	—	METHOD AND APPARATUS FOR REDUCING THE AMPLITUDE MODULATION OF OPTICAL SIGNALS IN EXTERNAL CAVITY LASERS
PB1184	USA - UTL	12936,723	4/11/2008	—	—	METHOD AND APPARATUS FOR REDUCING THE AMPLITUDE MODULATION OF OPTICAL SIGNALS IN EXTERNAL CAVITY LASERS
PB1184	JAPAN	UNKNOWN	4/11/2008	—	—	METHOD AND APPARATUS FOR REDUCING THE AMPLITUDE MODULATION OF OPTICAL SIGNALS IN EXTERNAL CAVITY LASERS
PB1184	EPO	08763801.1	4/11/2008	—	—	METHOD AND APPARATUS FOR REDUCING THE AMPLITUDE MODULATION OF OPTICAL SIGNALS IN EXTERNAL CAVITY LASERS
PC0873	USA - UTL	09915,401	7/27/2001	6,766,072	7/29/2004	OPTICAL THRESHOLD AND COMPARISON DEVICES AND METHODS
PC0873	CANADA	2,354,461	7/27/2001	—	—	OPTICAL THRESHOLD AND COMPARISON DEVICES AND METHODS
PC0873	GERMANY	01306155.1	7/18/2001	60127045	3/7/2007	OPTICAL THRESHOLD AND COMPARISON DEVICES AND METHODS
PC0873	ITALY	01306155.1	7/18/2001	1175459	3/7/2007	OPTICAL THRESHOLD AND COMPARISON DEVICES AND METHODS
PC0873	UK	01306155.1	7/18/2001	1175459	3/7/2007	OPTICAL THRESHOLD AND COMPARISON DEVICES AND METHODS
PC0873	FRANCE	01306155.1	7/18/2001	1175459	3/7/2007	OPTICAL THRESHOLD AND COMPARISON DEVICES AND METHODS
PC0884	USA - UTL	10415,128	10/26/2001	7,006,744	10/28/2006	HYBRID BURIED/RIDGE PLANAR WAVEGUIDES

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Case Number	Country	Application Number	Filing Date	Patent Number	Issue Date	Title
PC0884	GERMANY	0198874.2	10/26/2001	60135242	8/6/2008	HYBRID BURIEDRIDGE PLANAR WAVEGUIDES
PC0884	UK	0198874.2	10/26/2001	1334385	8/6/2008	HYBRID BURIEDRIDGE PLANAR WAVEGUIDES
PC0884	ITALY	0198874.2	10/26/2001	1334385	8/6/2008	HYBRID BURIEDRIDGE PLANAR WAVEGUIDES
PC0885	USA - UTL	10/415,474	10/23/2001	7,177,511	2/13/2007	OPTICAL FIBRE FILTER
PC0885	FRANCE	01992905.8	10/23/2001	1330668	3/1/2006	OPTICAL FIBRE FILTER
PC0885	GERMANY	01992905.8	10/23/2001	60117610	3/1/2006	OPTICAL FIBRE FILTER
PC0885	ITALY	01992905.8	10/23/2001	1330668	3/1/2006	OPTICAL FIBRE FILTER
PC0885	UK	01992905.8	10/23/2001	1330668	3/1/2006	OPTICAL FIBRE FILTER
PC0890	USA - UTL	09988,624	11/20/2001	6,584,261	6/24/2003	OPTICAL GATING APPARATUS AND METHOD
PC0890	GERMANY	00310375.1	11/22/2000	60034687	5/2/2007	OPTICAL GATING APPARATUS AND METHOD
PC0890	FRANCE	00310375.1	11/22/2000	1209782	5/2/2007	OPTICAL GATING APPARATUS AND METHOD
PC0890	ITALY	00310375.1	11/22/2000	1209782	5/2/2007	OPTICAL GATING APPARATUS AND METHOD
PC0890	UK	00310375.1	11/22/2000	1209782	5/2/2007	OPTICAL GATING APPARATUS AND METHOD
PC0907	CANADA	2,366,136	12/21/2001	—	—	OPTICAL INTENSITY MODULATION DEVICE AND METHOD
PC0907	USA - UTL	10/622,255	12/20/2001	6,583,917	6/24/2003	OPTICAL INTENSITY MODULATION DEVICE AND METHOD
PC0907	GERMANY	00311680.3	12/22/2000	60030591	9/27/2006	OPTICAL INTENSITY MODULATION DEVICE AND METHOD
PC0907	FRANCE	00311680.3	12/22/2000	1217425	9/27/2006	OPTICAL INTENSITY MODULATION DEVICE AND METHOD
PC0907	ITALY	00311680.3	12/22/2000	1217425	9/27/2006	OPTICAL INTENSITY MODULATION DEVICE AND METHOD
PC0907	UK	00311680.3	12/22/2000	1217425	9/27/2006	OPTICAL INTENSITY MODULATION DEVICE AND METHOD
PC0917	USA - UTL	10/135,772	5/1/2002	6,867,502	3/15/2005	PARAMETRIC DEVICE FOR WAVELENGTH CONVERSION
PC0924	CANADA	2,449,018	5/28/2002	—	—	WAVEGUIDE BENDS AND DEVICES INCLUDING WAVEGUIDE BENDS
PC0924	USA - UTL	10/479,579	5/28/2002	7,302,135	11/27/2007	WAVEGUIDE BENDS AND DEVICES INCLUDING WAVEGUIDE BENDS

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Case Number	Country	Application Number	Filing Date	Patent Number	Issue Date	Title
PC0937	USA - UTL	10/180,461	6/27/2002	6,816,659	11/9/2004	UNIT FOR COMPENSATING THE CHROMATIC DISPERSION IN A RECONFIGURABLE MANNER
PC0938	USA - UTL	10/206,349	7/29/2002	7,187,888	3/6/2007	WAVELENGTH DIVISION MULTIPLEXING OPTICAL TRANSMISSION SYSTEM USING A SPECTRAL INVERSION DEVICE
PC0938	FRANCE	01118289.6	7/30/2001	1282247	9/29/2004	WAVELENGTH DIVISION MULTIPLEXING OPTICAL TRANSMISSION SYSTEM USING A SPECTRAL INVERSION DEVICE
PC0938	ITALY	01118289.6	7/30/2001	1282247	9/29/2004	WAVELENGTH DIVISION MULTIPLEXING OPTICAL TRANSMISSION SYSTEM USING A SPECTRAL INVERSION DEVICE
PC0938	GERMANY	01118289.6	7/30/2001	60106012	9/29/2004	WAVELENGTH DIVISION MULTIPLEXING OPTICAL TRANSMISSION SYSTEM USING A SPECTRAL INVERSION DEVICE
PC0938	UK	01118289.6	7/30/2001	1282247	9/29/2004	WAVELENGTH DIVISION MULTIPLEXING OPTICAL TRANSMISSION SYSTEM USING A SPECTRAL INVERSION DEVICE
PC0939	USA - UTL	10/485,221	7/30/2002	7,307,722	12/11/2007	POLARIZATION STABILIZATION
PC0939	EPO	02754957.5	7/30/2002	—	—	POLARIZATION STABILIZATION
PC0946	GERMANY	01976629.4	9/28/2001	60110473	4/27/2005	OPTICAL TRANSMISSION SYSTEM COMPRISING DISPERSION MANAGEMENT SYSTEM
PC0946	FRANCE	01976629.4	9/28/2001	1436920	4/27/2005	OPTICAL TRANSMISSION SYSTEM COMPRISING DISPERSION MANAGEMENT SYSTEM
PC0946	UK	01976629.4	9/28/2001	1436920	4/27/2005	OPTICAL TRANSMISSION SYSTEM COMPRISING DISPERSION MANAGEMENT SYSTEM
PC0946	ITALY	01976629.4	9/28/2001	1436920	4/27/2005	OPTICAL TRANSMISSION SYSTEM COMPRISING DISPERSION MANAGEMENT SYSTEM
PC0948	EPO	01203389.9	10/15/2001	—	—	NLO POLYMERS AND OPTICAL WAVEGUIDES BASED THEREON
PC0948	USA - UTL	10/268,717	10/11/2002	6,872,794	3/29/2005	NLO POLYMERS AND OPTICAL WAVEGUIDES BASED THEREON
PC0949	USA - UTL	10/493,570	10/26/2001	7,123,789	10/17/2006	OPTICAL MULTIDEMULTIPLEXER DEVICE, OPTICAL WAVELENGTH SELECTIVE FILTER AND METHOD OF MAKING FILTER

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Case Number	Country	Application Number	Filing Date	Patent Number	Issue Date	Title
PC0949	CANADA	2,463,955	10/26/2001	—	—	OPTICAL MULTIMULTIPLEXER DEVICE, OPTICAL WAVELENGTH SELECTIVE FILTER AND METHOD OF MAKING FILTER
PC0949	EPO	01994622.7	10/26/2001	—	—	OPTICAL MULTIMULTIPLEXER DEVICE, OPTICAL WAVELENGTH SELECTIVE FILTER AND METHOD OF MAKING FILTER
PC0955	CANADA	2,467,668	11/30/2001	2,467,668	7/13/2010	OPTICAL SPACE-SWITCHING MATRIX
PC0955	USA - UTL	10/497,009	11/30/2001	7,209,607	4/24/2007	OPTICAL SPACE-SWITCHING MATRIX
PC0955	FRANCE	01965682.0	11/30/2001	1449403	2/15/2006	OPTICAL SPACE-SWITCHING MATRIX
PC0955	GERMANY	01965682.0	11/30/2001	60117292.2	2/15/2006	OPTICAL SPACE-SWITCHING MATRIX
PC0955	ITALY	01965682.0	11/30/2001	1449403	2/15/2006	OPTICAL SPACE-SWITCHING MATRIX
PC0955	UK	01965682.0	11/30/2001	1449403	2/15/2006	OPTICAL SPACE-SWITCHING MATRIX
PC0963	CANADA	2,470,136	12/21/2001	—	—	OPTICAL SPACE-SWITCHING MATRIX
PC0963	USA - UTL	10/496,020	12/21/2001	7,116,469	10/3/2006	RAMAN AMPLIFICATION USING A MICROSTRUCTURED FIBER
PC0963	EPO	01966436.2	12/21/2001	—	—	RAMAN AMPLIFICATION USING A MICROSTRUCTURED FIBER
PC0972	USA - UTL	10/506,658	3/6/2002	7,233,729	6/19/2007	RAMAN AMPLIFICATION USING A MICROSTRUCTURED FIBER METHOD FOR GUIDING AN ELECTROMAGNETIC RADIATION, IN PARTICULAR IN AN INTEGRATED OPTICAL DEVICE
PC0973	USA - UTL	10/506,769	3/6/2002	7,346,239	3/19/2008	DEVICE FOR CROSSING OPTICAL BEAMS, IN PARTICULAR IN AN INTEGRATED OPTICAL CIRCUIT
PC0974	USA - UTL	10/505,542	3/6/2002	7,133,588	11/7/2006	DEVICE FOR BENDING AN OPTICAL BEAM, IN PARTICULAR IN AN OPTICAL INTEGRATED CIRCUIT
PC0976	USA - UTL	10/508,515	3/22/2002	7,218,807	5/15/2007	OPTICAL TRANSMISSION SYSTEM USING AN OPTICAL PHASE CONJUGATION DEVICE
PC0984	CANADA	2,497,148	5/31/2002	—	—	CASCADED RAMAN PUMP FOR RAMAN AMPLIFICATION IN OPTICAL SYSTEMS
PC0987	USA - UTL	10/518,855	6/28/2002	7,324,267	1/29/2008	FOUR-WAVE MIXING BASED OPTICAL WAVELENGTH CONVERTER DEVICE
PC0987	EPO	02754796.3	6/28/2002	—	—	FOUR-WAVE MIXING BASED OPTICAL WAVELENGTH CONVERTER DEVICE

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Case Number	Country	Application Number	Filing Date	Patent Number	Issue Date	Title
PC0989	USA - UTI	10518,352	6/27/2002	7,274,854	9/25/2007	POLYIMIDE OPTICAL WAVEGUIDES AND METHOD FOR THE PREPARATION THEREOF
PC0991	CANADA	2,493,689	7/26/2002	—	—	OPTICAL FIBER FOR RAMAN AMPLIFICATION
PC0991	FRANCE	02767266.5	7/26/2002	1525847	6/21/2006	OPTICAL FIBER FOR RAMAN AMPLIFICATION
PC0991	GERMANY	02767266.5	7/26/2002	60212726	6/21/2006	OPTICAL FIBER FOR RAMAN AMPLIFICATION
PC0991	ITALY	02767266.5	7/26/2002	1525847	6/21/2006	OPTICAL FIBER FOR RAMAN AMPLIFICATION
PC0991	UK	02767266.5	7/26/2002	1525847	6/21/2006	OPTICAL FIBER FOR RAMAN AMPLIFICATION
PC0992	CHINA	02829391.5	7/31/2002	Z102829391.6	11/14/2007	MULTI-STAGE RAMAN AMPLIFIER
PC0992	USA - UTI	10522,555	7/31/2002	7,253,944	8/7/2007	MULTI-STAGE RAMAN AMPLIFIER
PC0992	CANADA	2,492,810	7/31/2002	—	—	MULTI-STAGE RAMAN AMPLIFIER
PC0992	EPO	02767287.2	7/31/2002	—	—	MULTI-STAGE RAMAN AMPLIFIER
PC0992	USA - UTI	11802,011	7/31/2002	7,813,034	10/12/2010	MULTI-STAGE RAMAN AMPLIFIER
PC0992	USA - UTI	12897,456	10/4/2010	—	—	MULTI-STAGE RAMAN AMPLIFIER
PC0995	USA - UTI	10518,473	7/31/2002	7,242,517	7/10/2007	MULTI-STAGE RAMAN AMPLIFIER
PC0995	EPO	02764823.7	7/31/2002	—	—	OPTICAL DEVICES COMPRISING SERIES OF BIREFRINGENT WAVEPLATES
PC1010	GERMANY	02767873.5	11/29/2002	60218546	2/28/2007	OPTICAL DEVICES COMPRISING SERIES OF BIREFRINGENT WAVEPLATES
PC1010	FRANCE	02767873.5	11/29/2002	1566002	2/28/2007	OPTICAL COMMUNICATION SYSTEM
PC1010	ITALY	02767873.5	11/29/2002	1566002	2/28/2007	OPTICAL COMMUNICATION SYSTEM
PC1010	UK	02767873.5	11/29/2002	1566002	2/28/2007	OPTICAL COMMUNICATION SYSTEM
PC1020	USA - UTI	10538,846	12/19/2002	7,145,716	12/5/2006	MULTIPLE STAGE RAMAN OPTICAL AMPLIFIER
PC1022	USA - UTI	10538,874	12/23/2002	7,217,377	5/15/2007	PHOTOCHROMIC OPTICAL WAVEGUIDES AND METHOD FOR THE PREPARATIONS THEREOF
PC1022	GERMANY	02796764.5	12/23/2002	60226283	4/23/2008	PHOTOCHROMIC OPTICAL WAVEGUIDES AND METHOD FOR THE PREPARATIONS THEREOF

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PC1022	SPAIN	ES2305340	12/23/2002	1576396	4/23/2008	PHOTOCHROMIC OPTICAL WAVEGUIDES AND METHOD FOR THE PREPARATIONS THEREOF
PC1022	FRANCE	02796764.5	12/23/2002	1576396	4/23/2008	PHOTOCHROMIC OPTICAL WAVEGUIDES AND METHOD FOR THE PREPARATIONS THEREOF
PC1022	ITALY	02796764.5	12/23/2002	1576396	4/23/2008	PHOTOCHROMIC OPTICAL WAVEGUIDES AND METHOD FOR THE PREPARATIONS THEREOF
PC1022	UK	02796764.5	12/23/2002	1576396	4/23/2008	PHOTOCHROMIC OPTICAL WAVEGUIDES AND METHOD FOR THE PREPARATIONS THEREOF
PC1023	GERMANY	02808286.7	12/23/2002	60220731	6/13/2007	OPTICAL TRANSMISSION SYSTEM USING AN OPTICAL PHASE CONJUGATION DEVICE
PC1023	FRANCE	02808286.7	12/23/2002	1576747	6/13/2007	OPTICAL TRANSMISSION SYSTEM USING AN OPTICAL PHASE CONJUGATION DEVICE
PC1023	ITALY	02808286.7	12/23/2002	1576747	6/13/2007	OPTICAL TRANSMISSION SYSTEM USING AN OPTICAL PHASE CONJUGATION DEVICE
PC1023	UK	02808286.7	12/23/2002	1576747	6/13/2007	OPTICAL TRANSMISSION SYSTEM USING AN OPTICAL PHASE CONJUGATION DEVICE
PC1028	USA - UTL	10541,071	12/31/2002	7,356,219	4/8/2008	INTEGRATED OPTICAL ADD/DROP DEVICE HAVING SWITCHING FUNCTION
PC1028	EPO	02799753.5	12/31/2002	—	—	INTEGRATED OPTICAL ADD/DROP DEVICE HAVING SWITCHING FUNCTION
PC1035	CHINA	2003826522.2	4/30/2003	ZL03826522.2	2/6/2008	COUPLED-WAVEGUIDE ELECTRO-OPTIC SWITCH BASED ON POLARISATION CONVERSION
PC1047	CANADA	2,534,970	8/4/2003	—	—	INTEGRATED OPTICAL WAVEGUIDE STRUCTURE WITH LOW COUPLING LOSSES TO AN EXTERNAL OPTICAL FIELD
PC1049	USA - UTL	10566,590	7/24/2003	7,324,721	1/29/2008	OPTICAL COMMUNICATION LINE WITH DISPERSION INTRACHANNEL NONLINEARITIES MANAGEMENT
PC1061	USA - UTL	10578,752	11/5/2003	7,292,752	11/6/2007	TUNEABLE GRATING ASSISTED DIRECTIONAL OPTICAL COUPLER
PC1072	CANADA	2,550,677	12/24/2003	—	—	TUNABLE RESONANT GRATING FILTERS
PC1072	JAPAN	2005-512678	12/24/2003	—	—	TUNABLE RESONANT GRATING FILTERS
PC1072	SOUTH KOREA	10-2006-7612649	12/24/2003	—	—	TUNABLE RESONANT GRATING FILTERS

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Case Number	Country	Application Number	Filing Date	Patent Number	Issue Date	Title
PC1072	GERMANY	03789424.3	12/24/2003	60321403.7	5/28/2008	TUNABLE RESONANT GRATING FILTERS
PC1072	FRANCE	03789424.3	12/24/2003	1704428	5/28/2008	TUNABLE RESONANT GRATING FILTERS
PC1072	UK	03789424.3	12/24/2003	1704428	5/28/2008	TUNABLE RESONANT GRATING FILTERS
PC1072	ITALY	03789424.3	12/24/2003	1704428	5/28/2008	TUNABLE RESONANT GRATING FILTERS
PC1072	GERMANY	08514863.8	12/24/2003	60329642.4	9/15/2010	EXTERNAL CAVITY LASER WITH TUNABLE RESONANT GRATING FILTER
PC1072	FRANCE	08514863.8	12/24/2003	1939653	7/10/2009	EXTERNAL CAVITY LASER WITH TUNABLE RESONANT GRATING FILTER
PC1072	UK	08514863.8	12/24/2003	1939653	7/10/2009	EXTERNAL CAVITY LASER WITH TUNABLE RESONANT GRATING FILTER
PC1072	ITALY	08514863.8	12/24/2003	1939653	7/10/2009	EXTERNAL CAVITY LASER WITH TUNABLE RESONANT GRATING FILTER
PC1073	CANADA	2,550,678	12/24/2003	—	—	LOW LOSS MICROWAVE RESONATOR DEVICE
PC1074	USA - UTL	10/694,853	12/29/2003	—	—	OPTICAL COUPLING DEVICE
PC1074	EPO	03799601.4	12/29/2003	—	—	OPTICAL COUPLING DEVICE
PC1075	USA - UTL	10/692,032	3/10/2004	—	—	METHOD AND APPARATUS FOR OPTICAL PHASE MODULATION
PC1081	CANADA	2,561,153	3/31/2004	—	—	OPTICAL MODULATOR
PC1081	JAPAN	2007-505389	3/31/2004	—	—	OPTICAL MODULATOR
PC1081	USA - UTL	10/593,897	3/31/2004	—	—	OPTICAL MODULATOR
PC1090	USA - UTL	11/629,305	6/21/2004	—	—	OPTICAL BAND SPLITTER/COMBINER AND APPARATUS COMPRISING THE SAME
PC1092	CANADA	2,571,699	6/30/2004	—	—	THERMALLY CONTROLLED EXTERNAL CAVITY TUNEABLE LASER
PC1092	INDIA	7350/JELNP/2006	6/30/2004	—	—	THERMALLY CONTROLLED EXTERNAL CAVITY TUNEABLE LASER
PC1092	JAPAN	2007-519458	6/30/2004	—	—	THERMALLY CONTROLLED EXTERNAL CAVITY TUNEABLE LASER
PC1092	USA - UTL	11/631,111	6/30/2004	—	—	THERMALLY CONTROLLED EXTERNAL CAVITY TUNEABLE LASER
PC1092	EPO	10176660.6	6/30/2004	—	—	THERMALLY CONTROLLED EXTERNAL CAVITY TUNEABLE LASER
PC1100	USA - UTL	11/665,466	10/22/2004	—	—	METHOD AND DEVICE FOR STABILIZING THE STATE OF POLARIZATION OF A POLARIZATION MULTIPLEXED OPTICAL RADIATION

EXHIBIT B1

Case Number	Country	Application Number	Filing Date	Patent Number	Issue Date	Title
PC1100	EPO	04790751.4	10/22/2004	—	—	METHOD AND DEVICE FOR STABILIZING THE STATE OF POLARIZATION OF A POLARIZATION MULTIPLEXED OPTICAL RADIATION
PC1112	USA - UTL	11/793,238	12/24/2004	—	—	PHOTODETECTOR IN GERMANIUM ON SILICON
PC1113	USA - UTL	11/793,290	12/29/2004	—	—	WIRING METHOD AND DEVICE
PC1113	FRANCE	04804388.9	12/29/2004	1832147	8/4/2010	WIRING METHOD AND DEVICE
PC1113	GERMANY	04804388.9	12/29/2004	602004028529.3	8/4/2010	WIRING METHOD AND DEVICE
PC1113	ITALY	04804388.9	12/29/2004	1832147	8/4/2010	WIRING METHOD AND DEVICE
PC1113	UK	04804388.9	12/29/2004	1832147	8/4/2010	WIRING METHOD AND DEVICE
PC1116	USA - UTL	11/883,943	2/10/2005	—	—	OPTICAL BAND SPLITTER/COMBINER DEVICE COMPRISING A THREE-ARMS INTERFEROMETER
PC1118	USA - UTL	11/886,770	3/31/2005	—	—	METHOD TO FABRICATE A REDIRECTING MIRROR IN OPTICAL WAVEGUIDE DEVICES
PC1118	GERMANY	05716482.4	3/31/2005	602005013582	3/25/2009	METHOD TO FABRICATE A REDIRECTING MIRROR IN OPTICAL WAVEGUIDE DEVICES
PC1118	FRANCE	05716482.4	3/31/2005	1866688	3/25/2009	METHOD TO FABRICATE A REDIRECTING MIRROR IN OPTICAL WAVEGUIDE DEVICES
PC1118	UK	05716482.4	3/31/2005	1866688	3/25/2009	METHOD TO FABRICATE A REDIRECTING MIRROR IN OPTICAL WAVEGUIDE DEVICES
PC1118	ITALY	05716482.4	3/31/2005	1866688	3/25/2009	METHOD TO FABRICATE A REDIRECTING MIRROR IN OPTICAL WAVEGUIDE DEVICES
PC1118	USA - UTL	12/866,619	3/31/2005	—	—	METHOD TO FABRICATE A REDIRECTING MIRROR IN OPTICAL WAVEGUIDE DEVICES
PC1124	USA - UTL	11/822,563	6/30/2005	—	—	METHOD AND SYSTEM FOR HITLESS TUNABLE OPTICAL PROCESSING
PC1124	JAPAN	2008-518638	6/30/2005	—	—	METHOD AND SYSTEM FOR HITLESS TUNABLE OPTICAL PROCESSING
PC1124	CANADA	2,613,105	6/30/2005	—	—	METHOD AND SYSTEM FOR HITLESS TUNABLE OPTICAL PROCESSING
PC1129	USA - UTL	11/661,416	9/6/2005	7,528,360	5/5/2009	METHOD AND DEVICE FOR STABILIZING THE STATE OF POLARIZATION OF AN OPTICAL RADIATION
PC1132	USA - UTL	12/085,323	12/7/2005	—	—	OPTICAL ASSEMBLY CONNECTING A LASER WITH AN OPTICAL FIBRE
PC1134	USA - UTL	12/084,318	12/6/2005	—	—	PASSIVE PHASE CONTROL IN AN EXTERNAL CAVITY LASER
PC1134	EPO	05814644.0	12/6/2005	—	—	PASSIVE PHASE CONTROL IN AN EXTERNAL CAVITY LASER

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Case Number	Country	Application Number	Filing Date	Patent Number	Issue Date	Title
PC1135	USA - UTL	12087 063	12/28/2005	--	--	METHOD AND DEVICE FOR TUNABLE OPTICAL FILTERING
PC1136	USA - UTL	12087 064	12/28/2005	--	--	METHOD AND SYSTEM FOR TUNABLE OPTICAL FILTERING
PC1146	USA - UTL	12306 543	7/12/2006	7,869,475	1/11/2011	MISALIGNMENT PREVENTION IN AN EXTERNAL CAVITY LASER HAVING TEMPERATURE STABILISATION OF THE RESONATOR AND THE GAIN MEDIUM
PC1146	GERMANY	06754714.1	7/12/2006	602006013050	3/17/2010	MISALIGNMENT PREVENTION IN AN EXTERNAL CAVITY LASER HAVING TEMPERATURE STABILISATION OF THE RESONATOR AND THE GAIN MEDIUM
PC1146	FRANCE	06754714.1	7/12/2006	2044663	3/17/2010	MISALIGNMENT PREVENTION IN AN EXTERNAL CAVITY LASER HAVING TEMPERATURE STABILISATION OF THE RESONATOR AND THE GAIN MEDIUM
PC1146	ITALY	06754714.1	7/12/2006	2044663	3/17/2010	MISALIGNMENT PREVENTION IN AN EXTERNAL CAVITY LASER HAVING TEMPERATURE STABILISATION OF THE RESONATOR AND THE GAIN MEDIUM
PC1146	UK	06754714.1	7/12/2006	2044663	3/17/2010	MISALIGNMENT PREVENTION IN AN EXTERNAL CAVITY LASER HAVING TEMPERATURE STABILISATION OF THE RESONATOR AND THE GAIN MEDIUM
PC1159	EPO	07723052.2	4/22/2007	--	--	EXTERNAL CAVITY LASER MODULE COMPRISING A MULTI-FUNCTIONAL OPTICAL ELEMENT
PC1159	CANADA	UNKNOWN	4/22/2007	--	--	EXTERNAL CAVITY LASER MODULE COMPRISING A MULTI-FUNCTIONAL OPTICAL ELEMENT
PC1164	EPO	07736799.3	4/20/2007	--	--	METHOD AND DEVICE FOR TUNABLE OPTICAL FILTERING USING VERNIER EFFECT
PC1164	CANADA	2,719,875	4/20/2007	--	--	METHOD AND DEVICE FOR TUNABLE OPTICAL FILTERING USING VERNIER EFFECT
PC1176	USA - UTL	12139 842	12/6/2007	--	--	SYSTEM AND METHOD FOR COHERENT DETECTION OF OPTICAL SIGNALS
PC1176	CANADA	2,703,726	12/6/2007	--	--	SYSTEM AND METHOD FOR COHERENT DETECTION OF OPTICAL SIGNALS
PC1179	USA - UTL	12139 840	12/21/2007	--	--	METHOD AND DEVICE FOR POLARIZATION STABILIZATION OF AN OPTICAL RADIATION
PC1179	CANADA	2,703,728	12/21/2007	--	--	METHOD AND DEVICE FOR POLARIZATION STABILIZATION OF AN OPTICAL RADIATION

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Case Number	Country	Application Number	Filing Date	Patent Number	Issue Date	Title
PC1181	USA - UTL	12919,591	2/29/2008	—	—	OPTICAL MODE TRANSFORMER, IN PARTICULAR FOR COUPLING AN OPTICAL FIBER AND A HIGH-INDEX CONTRAST WAVEGUIDE
PC1181	CANADA	2,719,342	2/29/2008	—	—	OPTICAL MODE TRANSFORMER, IN PARTICULAR FOR COUPLING AN OPTICAL FIBER AND A HIGH-INDEX CONTRAST WAVEGUIDE
PCFHG01	USA - UTL	10,019,447	7/3/2000	6,716,958	4/6/2004	WAVEGUIDE SYSTEMS OR STRUCTURES OR PARTS THEREOF, CONTAINING POLYCYANATE COPOLYMERS PREPARED FROM POLYFUNCTIONAL CYANATES AND FLUORINATED MONOCYANATES
PCFHG01	FRANCE	00952993.4	7/3/2000	1198493	2/18/2004	WAVEGUIDE SYSTEMS OR STRUCTURES OR PARTS THEREOF, CONTAINING POLYCYANATE COPOLYMERS PREPARED FROM POLYFUNCTIONAL CYANATES AND FLUORINATED MONOCYANATES
PCFHG01	GERMANY	00952993.4	7/3/2000	600006384	2/18/2004	WAVEGUIDE SYSTEMS OR STRUCTURES OR PARTS THEREOF, CONTAINING POLYCYANATE COPOLYMERS PREPARED FROM POLYFUNCTIONAL CYANATES AND FLUORINATED MONOCYANATES
PCFHG01	ITALY	00952993.4	7/3/2000	1198493	2/18/2004	WAVEGUIDE SYSTEMS OR STRUCTURES OR PARTS THEREOF, CONTAINING POLYCYANATE COPOLYMERS PREPARED FROM POLYFUNCTIONAL CYANATES AND FLUORINATED MONOCYANATES
PCFHG01	UK	00952993.4	7/3/2000	1198493	2/18/2004	WAVEGUIDE SYSTEMS OR STRUCTURES OR PARTS THEREOF, CONTAINING POLYCYANATE COPOLYMERS PREPARED FROM POLYFUNCTIONAL CYANATES AND FLUORINATED MONOCYANATES
PCFHG02	USA - UTL	10,019,479	7/3/2000	6,863,790	2/8/2005	OPTICAL WAVEGUIDES DERIVED FROM A COMBINATION OF POLY(PERFLUOROCYCLOBUTANES) AND POLYMERIC CYANATES
PCUS0043	USA - UTL	09,616,134	3/3/2000	6,577,413	6/10/2003	METHOD AND APPARATUS FOR POLARIZATION MULTIPLEXING AND DEMULTIPLEXING OPTICAL TRIBUTARY SIGNALS

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Case Number	Country	Application Number	Filing Date	Patent Number	Issue Date	Title
PC1149	USA - UTL	12513.983	11/9/2006	--	--	METHOD AND DEVICE FOR HITLESS TUNABLE OPTICAL FILTERING
PC1149	EPO	06818427.4	11/9/2006	--	--	METHOD AND DEVICE FOR HITLESS TUNABLE OPTICAL FILTERING
PC1149	CANADA	2,703,534	11/9/2006	--	--	METHOD AND DEVICE FOR HITLESS TUNABLE OPTICAL FILTERING
PC1150	USA - UTL	12514.008	11/9/2006	--	--	METHOD AND DEVICE FOR HITLESS TUNABLE OPTICAL FILTERING
PC1150	EPO	06818428.2	11/9/2006	--	--	METHOD AND DEVICE FOR HITLESS TUNABLE OPTICAL FILTERING
PC1150	CANADA	2,703,538	11/9/2006	--	--	METHOD AND DEVICE FOR HITLESS TUNABLE OPTICAL FILTERING
PC1151	USA - UTL	12513.518	11/9/2006	--	--	METHOD AND DEVICE FOR HITLESS TUNABLE OPTICAL FILTERING
PC1151	EPO	06818431.6	11/9/2006	--	--	METHOD AND DEVICE FOR HITLESS TUNABLE OPTICAL FILTERING
PC1151	CANADA	2,703,543	11/9/2006	--	--	METHOD AND DEVICE FOR HITLESS TUNABLE OPTICAL FILTERING
PC1156	USA - UTL	12519.404	12/22/2006	--	--	PHASE CONTROL BY ACTIVE THERMAL ADJUSTMENTS IN AN EXTERNAL CAVITY LASER
PC1156	EPO	06829838.9	12/22/2006	--	--	PHASE CONTROL BY ACTIVE THERMAL ADJUSTMENTS IN AN EXTERNAL CAVITY LASER
PC1156	CANADA	2,703,564	12/22/2006	--	--	PHASE CONTROL BY ACTIVE THERMAL ADJUSTMENTS IN AN EXTERNAL CAVITY LASER
PC1158	USA - UTL	12520.914	12/27/2006	--	--	OPTICAL TRANSMISSION SYSTEM WITH OPTICAL CHROMATIC DISPERSION COMPENSATOR
PC1158	EPO	06842282.3	12/27/2006	--	--	OPTICAL TRANSMISSION SYSTEM WITH OPTICAL CHROMATIC DISPERSION COMPENSATOR

EXHIBIT B1

Assignor represents, warrants and covenants that:

(1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder; including the assignment of the Patent Rights to Assignee; and

(2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

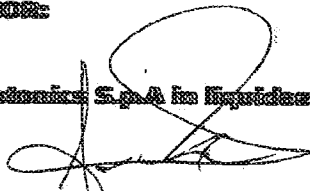
Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee and without demanding any further consideration therefore, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights. The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at MILAN
on 12 DEC. 2010

ASSIGNOR:

PGT Photonics S.p.A in liquidazione

By: 

Name: LUCIANO RAI

Title: LIQUIDATOR

(Signature MUST be attested)

EXHIBIT B1

ATTESTATION

The undersigned witnessed the signature of LUCIANO RAI to the above Assignment of Patent Rights on behalf of PGT Photonics S.p.A. in liquidazione and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

2. LUCIANO RAI is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on DEC 13, 2010 to execute the above Assignment of Patent Rights on behalf of PGT Photonics S.p.A. in liquidazione.

3. LUCIANO RAI subscribed to the above Assignment of Patent Rights on behalf of PGT Photonics S.p.A. in liquidazione.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

EXECUTED on 13 DEC 2010 (date)

Riccardo Quattri
Print Name: RICCARDO QUATTRI

ASSIGNEE:

MOGAI Technologies Incorporated

By: [Signature]
Name: Phillip Shaer
Title: Vice President, General Counsel and Corporate Secretary

STATEMENT OF WITNESS

I, VINOD KUMAR, whose full post office address is 11, Mines Road Suite 203, Kumbh, ON K2K2X1 was personally present and did see Phillip Shaer execute the within assignment and such person is personally known to me to be the person described in such document.

[Signature]

(Signature of Witness)