

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NoblePeak Vision Corp.	12/30/2010
RECEIVING PARTY DATA	
Name:	Infrared Newco, Inc.
Street Address:	1808 E. 17th Street
City:	Tucson
State/Country:	ARIZONA
Postal Code:	85719
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13116411
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	6176468398
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Address Line 2:	Wolf, Greenfield & Sacks, P.C.
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ATTORNEY DOCKET NUMBER:	I0418.70007US02
NAME OF SUBMITTER:	Thomas A. Franklin
Total Attachments: 8 source=I041870007US02 executed global assignment from parent#page1.tif source=I041870007US02 executed global assignment from parent#page2.tif source=I041870007US02 executed global assignment from parent#page3.tif source=I041870007US02 executed global assignment from parent#page4.tif source=I041870007US02 executed global assignment from parent#page5.tif source=I041870007US02 executed global assignment from parent#page6.tif source=I041870007US02 executed global assignment from parent#page7.tif source=I041870007US02 executed global assignment from parent#page8.tif	

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**FORM OF
ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS**

This Assignment of Patents and Patent Applications ("Assignment"), effective as of November 5, 2010 (the "Effective Date"), is by and between Joseph F. Finn, Jr., as assignee for the benefit of creditors (the "Seller," of NoblePeak Vision Corp., a Delaware corporation (the "Company"), and ^{Infrared} Verco, Inc., a Delaware corporation (the "Buyer").

WHEREAS, the Buyer and the Seller are parties to that certain Bill of Sale and Sale Agreement, dated as of November 5, 2010 (the "Sale Agreement");

WHEREAS, pursuant to the Sale Agreement, the Seller has agreed to execute and deliver this Assignment;

WHEREAS, the Seller is the owner of the patents and patent applications specified in Schedule 1 attached hereto (collectively, the "Patents and Patent Applications"), subject to any and all claims and encumbrances relating to such Patents and Patent Applications previously granted by the Company;

WHEREAS, the Seller is willing to assign to the Buyer its respective rights in such Patents and Patent Applications;

WHEREAS, the Buyer desires to acquire Seller's rights in the Patents and Patent Applications in accordance with the terms and conditions set forth in this Assignment and the Sale Agreement.

NOW, THEREFORE, in consideration of the premises and mutual covenants and agreements set forth hereinafter and in the Sale Agreement, the sufficiency of which is acknowledged, the Buyer and the Seller, intending to be legally bound, hereby agree as follows:

1. Assignment. The Seller does hereby irrevocably grant, sell, convey, transfer, assign, deliver and relinquish exclusively to the Buyer, in perpetuity, all of its respective worldwide right, title, and interest in and to all of the Patents and Patent Applications, together with (i) the right to sue for and obtain remedies against past infringement and rights of priority and protection of interest in such Patents and Patent Applications and (ii) the right to file and obtain any continuations, continuations-in-part, reissues, patent term extensions, divisionals and reexamination of the Patents and Patent Applications, as applicable.
2. Recordation. In order to record this Assignment with the United States Patent and Trademark Office (the "PTO"), the parties hereto shall execute this Assignment and the Seller shall execute the Recordation Cover Sheet required by the PTO in

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INTERNATIONAL TRAFFIC IN ARMS REGULATIONS. THE INFORMATION
CONTAINED IN THIS PACKAGE MAY NOT BE DISCLOSED TO ANY NON-U.S.
PERSON, AS THAT TERM IS DEFINED IN 22 CFR 120.**

order to record the assignment effected hereby. Thereafter, the Seller shall record the executed Recordation Form Cover Sheet with the PTO, together with any schedules and exhibits thereto including, but not limited to, this Assignment and Schedule 1 hereto.

3. Power of Attorney. The Seller does hereby make, constitute and appoint the Buyer (and any officer or agent of the Buyer as the Buyer may select in its exclusive discretion) as the Seller's true and lawful attorney-in-fact, with the power to endorse the Seller's name on all applications, documents, papers and instruments necessary to implement and effect fully the intentions, purposes and provisions of this Assignment, including, but not limited to, the filing of any instrument of assignment and documents related thereto to effect such assignment in the PTO; provided, that the Buyer shall only be entitled to exercise its rights under this power of attorney with respect to any of the foregoing actions to the extent that the Seller has failed to take such action at the request of the Buyer and following ten (10) days prior written notice to the Seller of the exercise of such rights. This power of attorney shall be irrevocable.

4. "AS IS" and "WHERE IS". THE PATENTS AND PATENT APPLICATIONS ARE ASSIGNED WITHOUT ANY REPRESENTATION OR WARRANTY OR GUARANTY OF ANY KIND WHATSOEVER, INCLUDING BUT NOT LIMITED TO ANY EXPRESS OR IMPLIED REPRESENTATION OR WARRANTY CONCERNING TITLE, QUALITY, QUANTITY, DURABILITY, CONDITION, MERCHANTABILITY, FITNESS FOR ANY PURPOSE, FREEDOM TO OPERATE, DEPENDENT TECHNOLOGY, NON-INFRINGEMENT, VALIDITY OR ANY OTHER ASPECT OF THE SAME. FURTHER, THE PATENTS AND PATENT APPLICATIONS ARE ASSIGNED "AS IS" AND "WHERE IS" WITHOUT REPRESENTATION OR WARRANTY AND ALL WARRANTIES EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SELLER ASSUMES NO RESPONSIBILITY FOR THE CONDITION OR POTENTIAL (OR LACK THEREOF) OF THE PATENTS AND PATENT APPLICATIONS. THE PATENTS AND PATENT APPLICATIONS ARE ALSO ASSIGNED SUBJECT TO CERTAIN CLAIMS AND ENCUMBRANCES. SELLER SHALL HAVE NO LIABILITY WHATSOEVER CONCERNING THE PATENTS AND PATENT APPLICATIONS, INCLUDING LIABILITY FOR NEGLIGENCE OR ANY OTHER THEORY OF LIABILITY OR CAUSE OF ACTION. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, OR SPECIAL DAMAGES ARISING IN ANY WAY WITH RESPECT TO THE PATENTS

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AND PATENT APPLICATIONS, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

5. Governing Law. This Assignment shall be governed by and construed in accordance with the laws of the Commonwealth of Massachusetts and any suit or action hereunder, except as otherwise set forth herein, shall be brought in said jurisdiction.
6. Successors and Assigns. This Assignment shall bind the Seller and its successors and assigns and inure to the benefit of Buyer and its successors and assigns.

[Signature page to follow]

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This Assignment of Patents and Patent Applications is executed and delivered effective as of the date first set forth above.

**SELLER AS ASSIGNEE FOR THE
BENEFIT OF CREDITORS OF
NOBLEPEAK VISION CORP.**

By: *Joseph F. Finn, Jr.*
Joseph F. Finn, Jr., as and only as assignee
for the benefit of creditors of NoblePeak
Vision Corp., and not individually.

~~NAME OF PURCHASER~~
INFRARED NEWCO, INC

By: *David Vozar*
Name: *David Vozar*
Title: *President*
[Address] *1808 E. 17th St.*
Tucson, AZ 85719
Telephone: *520-622-7074*
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COUNTY OF [NORFOLK] :
STATE OF [MASS] : ss.:

BE IT REMEMBERED, that on this 30th day of DECEMBER, 2010, before me, the subscriber, a notary public of the Commonwealth of Massachusetts, personally appeared JOSEPH F. FINN JR [and _____], who, I am satisfied, is [are] the person[s] who signed the foregoing Bill of Sale and Sale Agreement as the assignee for the benefit of creditors of NoblePeak Vision Corp., the Seller named therein, and he thereupon acknowledged that the said instrument made by the Seller was signed, sealed with the corporate seal and delivered by him as such officer and is the voluntary act and deed of the Seller.

Donna M. Colotti

Notary Public



DONNA M. COLOTTI
Notary Public
Commonwealth of Massachusetts
My Commission Expires
September 7, 2012

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SCHEDULE 1 TO ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

All patents, patent applications of any kind, patent rights, inventions, discoveries and invention discoveries (whether or not patented), formerly belonging to Noble Peak Vision Corp., and conveyed by it to Joseph F. Finn, Jr., including without limitation the following:

Case Number	Title	Case Type	Application #	Filing Date	Publication #	Publication Date	Patent #	Issue Date	Status
Double Cavity Growth Technique - structures and methods									
N/A	SEMICONDUCTOR DEVICES WITH REDUCED ACTIVE REGION DEFECTS AND UNIQUE CONTACTING SCHEMES		11/269017	11/08/05			7,297,569 7,298,669	11/20/07	Granted
N/A	SEMICONDUCTOR DEVICES WITH REDUCED ACTIVE REGION DEFECTS AND UNIQUE CONTACTING SCHEMES		10/453037	05/03/03			7012314	03/14/06	Granted
Focal plane array with Ge, made by any fabrication technique									
N0455.70007	IMAGE SENSOR COMPRISING ISOLATED GERMANIUM PHOTODETECTORS INTEGRATED WITH A SILICON SUBSTRATE AND SILICON CIRCUITRY	EPP	04821500.8	13-Oct-2004	EP1685701	02-Aug-2006	8020040166 79.0	17-Sep-2008	Granted
N0455.70007	IMAGE SENSOR COMPRISING ISOLATED GERMANIUM PHOTODETECTORS INTEGRATED WITH A SILICON SUBSTRATE AND SILICON CIRCUITRY	PCT	04821500.8	13-Oct-2004	EP1685701	02-Aug-2006	1685701	17-Sep-2008	Granted
N0455.70007	IMAGE SENSOR COMPRISING ISOLATED GERMANIUM PHOTODETECTORS INTEGRATED WITH A SILICON SUBSTRATE AND SILICON CIRCUITRY	EPP	04821500.8	13-Oct-2004	EP1685701	02-Aug-2006	1685701	17-Sep-2008	Granted
N0455.70007	IMAGE SENSOR COMPRISING ISOLATED GERMANIUM PHOTODETECTORS INTEGRATED WITH A SILICON SUBSTRATE AND SILICON CIRCUITRY	EPP	04821500.8	13-Oct-2004	EP1685701	02-Aug-2006	1685701	17-Sep-2008	Granted
N0455.70007	IMAGE SENSOR COMPRISING ISOLATED GERMANIUM PHOTODETECTORS INTEGRATED WITH A SILICON SUBSTRATE AND SILICON CIRCUITRY	PCT	2006-535626	13-Oct-2004					Pending
N0455.70007	IMAGE SENSOR COMPRISING ISOLATED GERMANIUM PHOTODETECTORS INTEGRATED WITH A SILICON SUBSTRATE AND SILICON CIRCUITRY	PCT	2006-7009040	13-Oct-2004	2006-0125744	06-Dec-2006			Published
N0455.70007	IMAGE SENSOR COMPRISING ISOLATED GERMANIUM PHOTODETECTORS INTEGRATED WITH A SILICON SUBSTRATE AND SILICON CIRCUITRY	CIP	10/864057	13-Oct-2004	US-2005-0205854-A1	22-Sep-2005	7453129	18-Nov-2008	Granted
N0455.70007	IMAGE SENSOR COMPRISING ISOLATED GERMANIUM PHOTODETECTORS INTEGRATED WITH A SILICON SUBSTRATE AND SILICON CIRCUITRY	CON	12/271601	14-Nov-2005	US-2006-0072284-A1	19-Mar-2006			Published
N0455.70007	IMAGE SENSOR COMPRISING ISOLATED GERMANIUM PHOTODETECTORS INTEGRATED WITH A SILICON SUBSTRATE AND SILICON CIRCUITRY	ORD	PCT/US2004/033782	13-Oct-2004	WO/2005/079199	01-Sep-2005			National Phase

DMD

SCHEDULE 1 TO ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

Case Number:	Title:	Case Type	Application #:	Filing Date:	Publication #:	Publication Date:	Patent #:	Issue Date:	Status
Low Noise Detector Structures									
N0455.70000	LOW-NOISE SEMICONDUCTOR PHOTODETECTORS	JP 00	PCT 2008-527884	15-Aug-2006					Pending
N0455.70000	LOW-NOISE SEMICONDUCTOR PHOTODETECTORS	KR 00	PCT 2008-7008456	15-Aug-2006	2008-0041704	13-May-2008			Published
N0455.70000	LOW-NOISE SEMICONDUCTOR PHOTODETECTORS	US 00	PRI 11/210223	23-Aug-2005	US-2006-0060932-A1	23-Mar-2006	7288825	30-Oct-2007	Granted
N0455.70000	LOW-NOISE SEMICONDUCTOR PHOTODETECTORS	US 01	CON 11/878276	28-Oct-2007	US-2008-0128849-A1	05-Jun-2008			Published
N0455.70000	LOW-NOISE SEMICONDUCTOR PHOTODETECTORS	WO 00	ORD PCT/US2006/0318 80	15-Aug-2006	WO2007/024575	01-Mar-2007			National Phase

Case Number:	Title:	Case Type	Application #:	Filing Date:	Publication #:	Publication Date:	Patent #:	Issue Date:	Status
CMOS using Ge and Si									
N0455.70003	METHOD FOR FORMING INTEGRATED CIRCUIT UTILIZING DUAL SEMICONDUCTORS	US 01	PRI 11/220942	07-Sep-2005	US-2006-0049408-A1	09-Mar-2006	7589380	15-Sep-2009	Granted

Case Number:	Title:	Case Type	Application #:	Filing Date:	Publication #:	Publication Date:	Patent #:	Issue Date:	Status
Modulators In Ge. Joint with Lucent									
N0455.70005	HIGH SPEED SEMICONDUCTOR WAVEGUIDE PHASE-SHIFTER	US 00	PRI 11/161744	15-Aug-2005	US-2006-0045522-A1	02-Mar-2006	7308160	11-Dec-2007	Granted

Case Number:	Title:	Case Type	Application #:	Filing Date:	Publication #:	Publication Date:	Patent #:	Issue Date:	Status
Mirror underneath detector									
N0455.70006	SEMICONDUCTOR PHOTONIC DEVICES WITH ENHANCED RESPONSIVITY AND REDUCED STRAY LIGHT	EP 00	PCT 07750453.8	09-Feb-2007	EP1987542	05-Nov-2008			Published
N0455.70006	SEMICONDUCTOR PHOTONIC DEVICES WITH ENHANCED RESPONSIVITY AND REDUCED STRAY LIGHT	KR 00	PCT 2008-7020364	09-Feb-2007	2008-0100199	14-Nov-2008			Published
N0455.70006	SEMICONDUCTOR DEVICES WITH PHOTORESPONSIVE COMPONENTS AND METAL SILICIDE LIGHT BLOCKING STRUCTURES	US 00	PRI 11/351635	10-Feb-2006	US-2007-0187788-A1	18-Aug-2007	7629661	08-Dec-2009	Granted
N0455.70006	SEMICONDUCTOR DEVICES WITH PHOTORESPONSIVE COMPONENTS AND METAL SILICIDE LIGHT BLOCKING STRUCTURES	US 01	CON 12/610522	02-Nov-2009	US-2010-0044823-A1	26-Feb-2010			Published
N0455.70006	SEMICONDUCTOR PHOTONIC DEVICES WITH ENHANCED RESPONSIVITY AND REDUCED STRAY LIGHT	WO 00	ORD PCT/US2007/0038 18	09-Feb-2007	WO2007/0095142	23-Aug-2007			National Phase

Case Number:	Title:	Case Type	Application #:	Filing Date:	Publication #:	Publication Date:	Patent #:	Issue Date:	Status
On-chip filters in the SWIR									
N0455.70008	IMAGING APPARATUS AND METHODS	US 00	PRO 61/081175	18-Jul-2008					Patent
N0455.70008	IMAGING APPARATUS AND METHODS	US 01	PRI 12/504005	16-Jul-2009	US-2010-0012841-A1	21-Jan-2010			Patent

SCHEDULE 1 TO ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

Case Number	Title	Case Type	Application #	Filing Date	Publication #	Publication Date	Patent #	Issue Date	Status
Exploiting different pixels in a checkerboard layout to achieve high dynamic range									
N0455.70012	METHODS AND APPARATUS FOR IMAGING SYSTEMS	US 00	PRI 12/570679	30-Sep-2008					Pending

Case Number	Title	Case Type	Application #	Filing Date	Publication #	Publication Date	Patent #	Issue Date	Status
Circuit innovation to lower noise using a three-state machine									
N0455.70011	IMAGING SIGNAL PROCESSING METHODS AND APPARATUS	US 00	PRI 12/141542	18-Jun-2008					Pending

Case Number	Title	Case Type	Application #	Filing Date	Publication #	Publication Date	Patent #	Issue Date	Status
Circuit innovation to improve conversion gain									
N0455.70010	IMAGE DETECTION APPARATUS AND METHODS	US 00	PRI 12/109848	25-Apr-2008	US-2008-0267120-A1	29-Oct-2009			Published

Case Number	Title	Case Type	Application #	Filing Date	Publication #	Publication Date	Patent #	Issue Date	Status
Combinations of visible and SWIR pixels									
N0455.70009	IMAGING APPARATUS AND METHODS	US 00	PRO 61/084030	28-Jul-2008					Expired
N0455.70008	IMAGING APPARATUS AND METHODS	US 01	PRI 12/510109	27-Jul-2009	US-2010-0019154-A1	28-Jan-2009			Published

Case Number	Title	Case Type	Application #	Filing Date	Publication #	Publication Date	Patent #	Issue Date	Status
Visible / SWIR mosaics									
N0455.70002	ADAPTIVE SOLID STATE IMAGE SENSOR	KR 00	PCT 2008-7005911	14-Aug-2008					Pending
N0455.70002	ADAPTIVE SOLID STATE IMAGE SENSOR	US 00	CIP 11/206555	18-Aug-2008	US-2008-0055800-A1	16-Mar-2009			Published
N0455.70002	ADAPTIVE SOLID STATE IMAGE SENSOR	WO 00	PCT/US2008/031591	14-Aug-2008	WO2007/022060	22-Feb-2007			National Phase
N0455.70003	INTEGRATED CIRCUIT FORMED USING DUAL SEMICONDUCTORS	US 00	PRO 60/607901	07-Sep-2004					Expired

Case Number	Title	Case Type	Application #	Filing Date	Publication #	Publication Date	Patent #	Issue Date	Status
Ground-breaking high-dynamic range imager									
N0455.70004	MIXED ANALOG AND DIGITAL PIXEL FOR HIGH DYNAMIC RANGE READOUT	KR 00	PCT 10-2008-7024595	26-Jun-2007	2009-0023549	05-Mar-2009			Published
N0455.70004	MIXED ANALOG AND DIGITAL PIXEL FOR HIGH DYNAMIC RANGE READOUT	US 00	PRI 11/427483	29-Jun-2008	US-2008-0001085-A1	03-Jan-2008	7326903	05-Feb-2008	Granted
N0455.70004	MIXED ANALOG AND DIGITAL PIXEL FOR HIGH DYNAMIC RANGE READOUT	US 01	CON 12/012542	04-Feb-2008					Pending
N0455.70004	MIXED ANALOG AND DIGITAL PIXEL FOR HIGH DYNAMIC RANGE READOUT	WO 00	PCT/US2007/015069	28-Jun-2007	WO2008/005301	10-Jan-2008			National Phase