#### 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

Fax Number: (617)646-8646

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 6176468398

Email: jdannunzio-ellis@wolfgreenfield.com

Correspondent Name: Thomas A. Franklin Address Line 1: 600 Atlantic Avenue

Address Line 2: Wolf, Greenfield & Sacks, P.C.
Address Line 4: Boston, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	I0418.70007US02
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NAME OF SUBMITTER:	Thomas A. Franklir
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#### Total Attachments: 8

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PATENT REEL: 026351 FRAME: 0683 ICH \$40.00 1311647

#### 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 Prince Inc., a New York 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 <u>Schedule 1</u> attached hereto (collectively, the "<u>Patents and Patent Applications</u>"), 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. <u>Assignment</u>. 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. <u>Recordation</u>. In order to record this Assignment with the United States Patent and Trademark Office (the "<u>PTO</u>"), the parties hereto shall execute this Assignment and the Seller shall execute the Recordation Cover Sheet required by the PTO in

THIS PACKAGE MAY CONTAIN INFORMATION CONTROLLED BY THE U.S. 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.
- "AS IS" and "WHERE IS". THE PATENTS AND PATENT APPLICATIONS 4. 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, TO OPERATE, DEPENDENT TECHNOLOGY, FREEDOM 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 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. <u>Successors and Assigns</u>. 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]

THIS PACKAGE MAY CONTAIN INFORMATION CONTROLLED BY THE U.S. 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.

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

Joseph F. Finn, Jr., as and only as assignce for the benefit of creditors of NoblePeak Vision Corp., and not individually.

**NAME OF PURCHASER** 

INFRARED NEWCO, INC

Name: Pavil Pozur Title: President

[Address] 1808 E.17th St.

Telephone: 520 - 622 - 7074

Fax:

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COUNTY OF [ NCKFOLIC ] :

STATE OF [ MASS] : SS

BE IT REMEMBERED, that on this 30 day of DECEMBER, 2010, before me, the subscriber, a notary public of the Commonwealth of Massachusetts, personally appeared JOSEPH FENN IX [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 NoblePcak Vision Corp., the Seller named therein, and he thereupon acknowledged that the said instrument made by the Seller was signed, sealed with the corporate scal and delivered by him as such officer and is the voluntary act and deed of the Seller.

Notary Public

DONNA M. COLOTTI

Notary Fundic

Commonwealth of Massachucelts

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:

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## SCHEDULE 1 TO ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

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	N0455.70008	us	IMAGING APPARATUS AND METHODS		61/081175	18-Jul-2008				D/	Espiled N	<b>-</b>	
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# SCHEDULE 1 TO ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

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	N0455.70004	US	00	DIGITAL PIXEL FOR HIGH DYNAMIC RANGE READOUT	PRI	11/427483	29-Jun-2001	US-2008-0001065- 6A1	03-Jan-2008	7326903	05-Feb-2004	Granled
	N0455,70004	us	01	MIXED ANALOG AND DIGITAL PIXEL FOR HIGH DYNAMIC RANGE READOUT	CON	12/012542	04-Feb-200	B				Pending
	N0455,70004	wo	00	MIXED ANALOG AND DIGITAL PIXEL FOR HIGH DYNAMIC RANGE READOUT	ORD	PCT/US2007/0150 69	28-Jun-200	7 WO2008/005301	10-Jan-2008			National Phase

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