

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Louis David Chowning | 03/28/2012 |
| RECEIVING PARTY DATA | |
| Name: | FLIR Systems, Inc. |
| Street Address: | 27700A SW Parkway Avenue |
| City: | Wilsonville |
| State/Country: | OREGON |
| Postal Code: | 97070 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13432773 |
| CORRESPONDENCE DATA | |
| Fax Number: | (949)202-3138 |
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| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Correspondent Name: | Haynes and Boone, LLP. |
| Address Line 1: | 2323 Victory Avenue |
| Address Line 2: | SUITE 700 |
| Address Line 4: | Dallas, TEXAS 75219 |
| ATTORNEY DOCKET NUMBER: | 70052.466 |
| NAME OF SUBMITTER: | Jonathan W. Hallman |
| Total Attachments: 1 source=Assignment#page1.tif | |

OP \$40.00 13432773

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I

Louis David Chowning of Saint Cloud, Florida

hereby sell, assign and transfer to **FLIR Systems, Inc.**, an Oregon corporation, having a place of business at 27700A SW Parkway Avenue, Wilsonville, Oregon, 97070, its successors and assigns, the entire right, title and interest throughout the world in my invention in

HIGH-EFFICIENCY-DIRECT-DRIVE CRYOCOOLER DRIVER

for which I have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; I authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from me; I agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and I request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

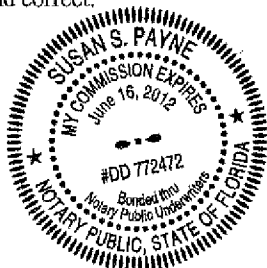
Executed this 28 day of March, 2012.

Louis David Chowning
Louis David Chowning

State of Florida
County of Orange ss

On 3-28 2012, before me, is personally appeared Louis David Chowning 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 the entity upon behalf of which the person(s) acted, executed the instrument.

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



WITNESS my hand and official seal.

Susan S. Payne
Signature of NOTARY