

## PATENT ASSIGNMENT COVER SHEET

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|---|---------------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                  |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                      |
| <b>CONVEYING PARTY DATA</b>   |                                 |
| <b>Name</b>   | <b>Execution Date</b>           |
| RYAN B NORAAS   | 02/10/2015                      |
| STEVEN J BULLIED  | 02/10/2015                      |
| MARK F BARTHOLOMEW  | 02/10/2015                      |
| JOHN F BLONDIN  | 02/10/2015                      |
| JOHN JOSEPH MARCIN  | 02/10/2015                      |
| <b>RECEIVING PARTY DATA</b>   |                                 |
| <b>Name:</b>  | UNITED TECHNOLOGIES CORPORATION |
| <b>Street Address:</b>  | ONE FINANCIAL PLAZA             |
| <b>City:</b>  | HARTFORD                        |
| <b>State/Country:</b>   | CONNECTICUT                     |
| <b>Postal Code:</b>   | 06103                           |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                 |
| <b>Property Type</b>  | <b>Number</b>                   |
| <b>Application Number:</b>  | 14619372                        |
| <b>CORRESPONDENCE DATA</b>  |                                 |
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| <b>Email:</b>   | docket@bachlap.com              |
| <b>Correspondent Name:</b>  | BACHMAN & LAPOINTE, P.C.        |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | PA-0034096-US(14-447)           |
| <b>NAME OF SUBMITTER:</b>   | DAVID L. WISZ                   |
| <b>SIGNATURE:</b>   | /David L. Wisz/                 |
| <b>DATE SIGNED:</b>   | 02/11/2015                      |
| <b>Total Attachments: 2</b>   |                                 |
| source=Assignment_14-447#page1.tif  |                                 |



## ASSIGNMENT

**WE, Ryan B. Noraas** of 75 Hockanum Boulevard, Apt. 2027, Vernon, CT 06066, **Steven J. Bullied** of 19 Kearney Fork, Pomfret Center, CT 06259, **Mark F. Bartholomew** of 163 Pearl Street, Enfield, CT 06082, **John F. Blondin** of 7 Cody Circle, South Windsor, CT 06074 and **John Joseph Marcin** of 50 Virginia Rail Drive, Marlborough, CT 06447; have invented certain improvements in a "INVESTMENT TECHNIQUE FOR SOLID MOLD CASTING OF RETICULATED METAL FOAMS", identified as Attorney's Docket No. PA-0034096-US(14-447), executed on even date herewith and listing as inventors: Ryan B. Noraas, Steven J. Bullied, Mark F. Bartholomew, John F. Blondin and John Joseph Marcin (hereinafter the Application).

At the time of the invention of the improvements, said improvements were assigned to or under obligation of assignment to United Technologies Corporation, of One Financial Plaza, Hartford, Connecticut 06103, a corporation of the State of Delaware (hereinafter Assignee).

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the undersigned have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, our entire right, title and interest in and to:

said invention or inventions as described in the Application(s), in all forms and embodiments thereof and in all countries and other jurisdictions;

the Application(s) and all applications filed in all countries and jurisdictions based thereon or otherwise for said invention or inventions, including direct or indirect nonprovisional of, divisional, continuation, continuation-in-part, or substitute applications, and including the right to file all said applications under the provisions of the Paris Convention for the Protection of Industrial Property, Patent Cooperation Treaty or other international convention or agreement;


all patents and reissues, reexaminations, or extensions thereof to be obtained in all countries and jurisdictions upon said invention or inventions or from all said applications; and

to all such rights relating to prior infringements, retroactive or past royalties, provisional rights, and other retroactive or past relief or compensation.

The undersigned hereby authorize and request the issuing authorities in all countries and jurisdictions to issue all patents on all said applications to Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by Assignee or its successors and assigns, to communicate to Assignee, its successors and assigns and to their representatives and agents, all facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in all interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make all of the foregoing provisions effective; and generally do everything possible to aid Assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in all countries and jurisdictions.

IN TESTIMONY WHEREOF, the undersigned have-hereunto set his hand and seal on the date after their signature.

(L.S.)   
Ryan B. Noraas

2/10/15  
Date

(L.S.)   
Steven J. Bullied

2/10/15  
Date

(L.S.)   
Mark F. Bartholomew

2/10/15  
Date

(L.S.)   
John F. Blondin

2/10/15  
Date

(L.S.)   
John Joseph Marcin

2/10/15  
Date