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U.S. Department of Commerce  
Patent and Trademark Office  
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12.15.98

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- (1) Peter W. Robinson
- (2) Brian C. Stacks
- (3) Daniel J. Angeli
- (4) Phillip J. Campbell
- (5) Myron R. Randlett
- (6) Ralph L. Webb

2. Name and address of receiving party(ies):

Name Olin Corporation  
Metals Research Laboratories  
91 Shelton Avenue  
New Haven, CT 06511-1837  
Additional names and addresses attached?

( ) Yes (X) No

3. Nature of conveyance:

(X) ASSIGNMENT ( ) Other \_\_\_\_\_

Execution Date (1) Nov. 10, 1998; (2) Dec. 3, 1998; (3) Dec. 4, 1998; (4) Nov. 24, 1998;  
(5) Nov. 17, 1998; (6) Dec. 8, 1998

4. Application Number(s) or Patent Number(s):

09160,029

If this document is being filed together with a new application, the execution date of the Application is:

A. Patent Application No.(s)

09/160,029

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: William B. Slate, Esq.  
Wiggin & Dana  
One Century Tower  
New Haven, CT 06508-1832

6. Total number of applications and patents involved

(1)

7. Total fee (37 CFR 3.41): \$40.00

( ) Enclosed  
(X) Authorized to be charged to Deposit  
Account No. 23-1665

8. Deposit Account No.: 23-1665

(Attach duplicate copy of this page if paying by  
Deposit Account)

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached Copy is a true copy of the original document.

William B. Slate  
Name of Person Signing

Signature

December 15, 1998  
Date

Total number of pages comprising cover sheet ( 1 )

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PATENT  
REEL: 9677 FRAME: 0717

## ASSIGNMENT

Docket No. 101853-200

WHEREAS, WE Peter W. Robinson, residing at 21 Arrowhead Lane, Branford, Connecticut 06405; Brian C. Stacks, residing at 604 Hill Lane, Edwardsville, Illinois 62025; Daniel J. Angeli, residing at 1128 Crested View, St. Louis, Missouri 63146; Phillip J. Campbell, residing at 10970 Harris Court, Rolla, Missouri 65401; Myron R. Randlett, residing at 1954 Lakeshore Drive, Cuba, Missouri 65453; and Ralph L. Webb, residing at 512 West Foster Avenue, State College, Pennsylvania 16801 have invented certain new and useful improvements in

### ENHANCED HEAT EXCHANGE TUBE

for which we:

[ ] have executed an application for Letters Patent of the United States of even date herewith.

[ X ] have filed an application for Letters Patent of the United States on September 24, 1998 under Serial No. 09/160,029; and

WHEREAS, Olin Corporation, a Corporation of the State of Virginia, is desirous of obtaining the entire right, title, and interest in, to and under said improvements and said applications;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents to hereby sell, assign, transfer and set over, unto said Olin Corporation, its successors, legal representatives, and assigns the entire right, title, and interest in, to and under said improvements, and said applications and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said Olin Corporation, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said Olin Corporation, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and generally do everything possible to aid said Olin Corporation, its successors, legal representatives and assigns to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date November 10<sup>th</sup>, 1998

Peter William Robinson L.S.  
Peter William Robinson

Date December 3<sup>rd</sup>, 1998

Brian Carson Stacks L.S.  
Brian Carson Stacks

Date December 4<sup>th</sup>, 1998

Daniel Joseph Angeli L.S.  
Daniel Joseph Angeli

Date \_\_\_\_\_, 1998

Phillip James Campbell L.S.  
Phillip James Campbell

Date December 17, 1998

Myron R. Randlett L.S.  
Myron R. Randlett

Date Dec. 8, 1998, 1998

Ralph L. Webb L.S.  
Ralph L. Webb

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