

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bruce Hyllberg</td> <td>07/11/2011</td> </tr> <tr> <td>Gary Fredrick</td> <td>07/11/2011</td> </tr> <tr> <td>Rob A. Veseley</td> <td>07/11/2011</td> </tr> <tr> <td>Bruce F. Taylor</td> <td>07/11/2011</td> </tr> <tr> <td>American Roller Company, LLC</td> <td>07/11/2011</td> </tr> </tbody> </table>		Name	Execution Date	Bruce Hyllberg	07/11/2011	Gary Fredrick	07/11/2011	Rob A. Veseley	07/11/2011	Bruce F. Taylor	07/11/2011	American Roller Company, LLC	07/11/2011
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Bruce F. Taylor	07/11/2011												
American Roller Company, LLC	07/11/2011												
RECEIVING PARTY DATA													
Name:	Xaloy, Incorporated												
Street Address:	1399 Countyline Road												
City:	New Castle												
State/Country:	PENNSYLVANIA												
Postal Code:	16107												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13566068</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13566068								
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Application Number:	13566068												
CORRESPONDENCE DATA													
Fax Number:	3307443184												
Phone:	330.744.5211												
Email:	RHerberger@Roth-Blair.com												
<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:	Robert J. Herberger												
Address Line 1:	100 East Federal Plaza												
Address Line 2:	Suite 600												
Address Line 4:	Youngstown, OHIO 44503-1893												
ATTORNEY DOCKET NUMBER:	4949.50-52U												
NAME OF SUBMITTER:	Robert J. Herberger												

OP \$40.00 13566068

**Total Attachments: 10**

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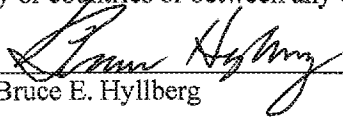
ASSIGNMENT

WHEREAS, I, **Bruce E. Hyllberg** of 3473 Woodlawn Avenue, Gurnee Illinois 60031, have made certain inventions as a joint inventor with others, which are described in a provisional patent application, Atty. Dkt. No. 4949.50, titled "External Electrode for a Ceramic-Wire Heater Layer" (hereafter said "patent application"); and

WHEREAS, **American Roller Company, LLC** (hereinafter referred to as said Company), a Delaware limited liability company, having a place of business at 1440 Thirteenth Avenue, Union Grove, WI 53182 is desirous of acquiring my entire interest in said inventions throughout the United States of America and the territories thereof, for all other countries and under all international agreements.

NOW, THEREFORE, for good and valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Company, its successors and assigns, my entire right, title and interest throughout the United States of America and the territories thereof, for all foreign countries and under all international agreements in and to said inventions, the aforesaid application, all other applications hereafter filed in the United States, in any other country, or under any international agreement based in whole or in part on said inventions, and all Letters Patents granted upon said applications by the United States, by any other country or under any international agreement, and I do hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said Letters Patent to said Company. I further grant to said Company, its successors and assigns, the right to claim for any of said applications the full benefits and priority rights of any international agreement between the United States and any foreign country or countries or between any other countries.

Date: 7-11-11

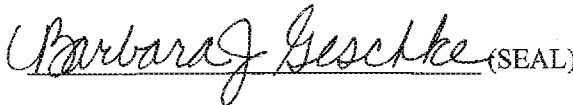
  
Bruce E. Hyllberg

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal at the on the date indicated with my signature.

STATE OF WISCONSIN     )  
  ) SS  
COUNTY OF RACINE     )

Before me on this 11th day of July, 2011, came **BRUCE E. HYLLBERG** to me known to be the person named in the foregoing assignment and he acknowledged his execution thereof to be his free act and deed.

Notary Public,  
State of Wisconsin  
My Commission: 3-9-2014

 (SEAL)



## ASSIGNMENT

**WHEREAS, I, Bruce F. Taylor**, residing at 1499 Buck Rub Court, Worthington, Ohio 43085, employee of **Xaloy, Inc.** (described below), in furtherance and within the scope of my employment, co-invented along with **Bruce E. Hyllberg**, an employee of **American Roller Company, LLC**, (having its principal place of business at 1440 Thirteenth Avenue, Union Grove, Wisconsin 53182), a certain new and useful invention for heating a barrel used in injection molding and extrusion having a laminated ceramic coating as described and claimed in a provisional patent application identified by Attorney Docket No. 4949.50, titled "External Electrode for a Ceramic-Wire Heater Layer" that will be filed on or about \_\_\_\_\_, 2011 (the parties hereto agree that this date may be filed in after execution);

**WHEREAS, Xaloy, Inc.**, a corporation organized under the laws of the State of Delaware having its business address at 1399 Countyline Road, New Castle, Pennsylvania 16107 (hereinafter together with any successors, legal representatives and assigns thereof, called "ASSIGNEE") is to acquire the entire and undivided right, title and interest in and to said invention from Assignors, as well as all rights resulting and/or claiming priority therefore as more specifically stated herein;

**WHEREAS, I, Bruce F. Taylor** (hereinafter with any heirs, successors, legal representations and assigns thereof, called "ASSIGNOR") hereby assign all rights, title and interest, in and to said Patent Application for the invention to Assignee, including any unpaid royalties, and Assignor warrants and represents herein that his joint interest merges and Assignee shall have the entire and full unencumbered right, title and interest therein;

**NOW, THEREFORE**, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee, and Assignee accepts, free and clear of all liens and encumbrances, the entire right, title and interest in said invention and Patent Application and all utility and/or design applications, substitutions, divisionals, continuations and continuations-in-part thereof, and all subsequent United States Letters Patents which may be filed and/or granted thereon or having priority thereto, and all reissues, reexams and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all other patents and other applications for patents (including related rights such as utility-model registrations, inventor's certificates and the like) heretofore or hereafter filed in the United States and/or any foreign countries to said invention, and all patents (including all utility extensions, renewals and reissues thereof) granted in any foreign countries to said invention; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to transfer, maintain and/or issue patents on applications as aforesaid, to transfer, maintain and issue all patents for said invention to Assignee in accordance with the terms of this Assignment;

**AND I HEREBY** covenant that I, the respective undersigned Assignor, has full authority and right to convey in accordance herewith the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

**AND I HEREBY** covenant that I, the undersigned Assignor, will execute or procure any further necessary assurance of assignment and/or title to said Patent Application, and at any time, upon the request and at the expense of said Assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention, the Patent Application or any subsequent utility application(s) for the invention or Letters Patent which may be granted for the invention hereinafter in said Assignee, and its respective successors, assigns or other legal representatives;

**AND I HEREBY** further covenant and agree that I, the respective undersigned Assignor, without

*Attorney Docket No. 4949.50  
Xaloy-Employee Assignment*

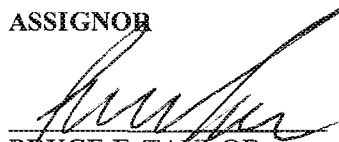
From Prov. No. 61/515,522 to  
Utility App. No. 13/566,068

**PATENT**  
**REEL: 028754 FRAME: 0375**

further compensation therefore, will communicate to Assignee any facts known to me respecting said invention and/or Patent Application, and upon the request and at the expense of Assignee, will testify in any legal proceeding, sign all lawful papers, execute any subsequent, additional, provisional, utility, design, foreign, divisional, continuation, continuations-in-part, substitute or reissue applications for patents for said invention, or any part thereof, and for the reissue and/or reexamination of any Letters Patent to be granted claiming priority thereto, and will make all rightful oaths and generally do everything possible for procuring the same or for aiding Assignee to obtain and enforce proper patent protection for said invention in all countries, including the United States.

IN TESTIMONY WHEREOF, I, the Assignor have hereunto executed this Assignment on this 11th day of July, 2011.

ASSIGNOR

  
BRUCE F. TAYLOR

STATE OF OHIO            )  
                                  ) ss:  
COUNTY OF MAHONING )

On this 11th day of July, 2011, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared BRUCE F. TAYLOR, known to me or proven to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledge that he executed the same.

  
NOTARY PUBLIC



MARGARET MAXIM  
Notary Public - State of Ohio  
My Commission Expires April 5, 2014  
Recorded in Mahoning County

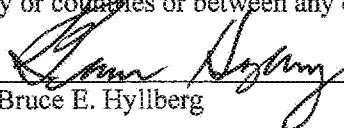
ASSIGNMENT

WHEREAS, I, **Bruce E. Hyllberg** of 3473 Woodlawn Avenue, Gurnee Illinois 60031, have made certain inventions as a joint inventor with others, which are described in a provisional patent application, Atty. Dkt. No. 4949.51, titled "Two Part Electrodes for a Wire-Ceramic Heater Layer" (hereafter said "patent application"); and

WHEREAS, **American Roller Company, LLC** (hereinafter referred to as said Company), a Delaware limited liability company, having a place of business at 1440 Thirteenth Avenue, Union Grove, WI 53182 is desirous of acquiring my entire interest in said inventions throughout the United States of America and the territories thereof, for all other countries and under all international agreements.

NOW, THEREFORE, for good and valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Company, its successors and assigns, my entire right, title and interest throughout the United States of America and the territories thereof, for all foreign countries and under all international agreements in and to said inventions, the aforesaid application, all other applications hereafter filed in the United States, in any other country, or under any international agreement based in whole or in part on said inventions, and all Letters Patents granted upon said applications by the United States, by any other country or under any international agreement, and I do hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said Letters Patent to said Company. I further grant to said Company, its successors and assigns, the right to claim for any of said applications the full benefits and priority rights of any international agreement between the United States and any foreign country or countries or between any other countries.

Date: 7-11-11

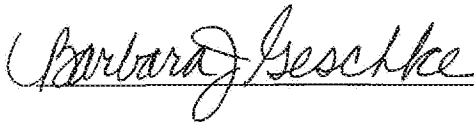
  
Bruce E. Hyllberg

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal at the on the date indicated with my signature.

STATE OF WISCONSIN     )  
  ) SS  
COUNTY OF RACINE     )

Before me on this 11th day of July, 2011, came **BRUCE E. HYLLBERG** to me known to be the person named in the foregoing assignment and he acknowledged his execution thereof to be his free act and deed.

Notary Public,  
State of Wisconsin  
My Commission: 3-9-2014

 (SEAL)





ASSIGNMENT

WHEREAS, I, **Bruce F. Taylor**, residing at 1499 Buck Rub Court, Worthington, Ohio 43085, employee of **Xaloy, Inc.** (described below), in furtherance and within the scope of my employment, co-invented along with **Bruce E. Hyllberg**, an employee of **American Roller Company, LLC**, (having its principal place of business at 1440 Thirteenth Avenue, Union Grove, Wisconsin 53182), a certain new and useful invention for heating a barrel used in injection molding and extrusion having a laminated ceramic coating as described and claimed in a provisional patent application identified by Attorney Docket No. 4949.51, titled "Two Part Electrodes for a Wire-Ceramic Heater Layer" that will be filed on or about \_\_\_\_\_, 2011 (the parties hereto agree that this date may be filled in after execution);

WHEREAS, **Xaloy, Inc.**, a corporation organized under the laws of the State of Delaware having its business address at 1399 Countyline Road, New Castle, Pennsylvania 16107 (hereinafter together with any successors, legal representatives and assigns thereof, called "ASSIGNEE") is to acquire the entire and undivided right, title and interest in and to said invention from Assignor, as well as all rights resulting and/or claiming priority therefore as more specifically stated herein;

WHEREAS, I, **Bruce F. Taylor** (hereinafter with any heirs, successors, legal representations and assigns thereof, called "ASSIGNOR") hereby assign all rights, title and interest, in and to said Patent Application for the invention to Assignee, including any unpaid royalties, and Assignor warrants and represents herein that his joint interest merges and Assignee shall have the entire and full unencumbered right, title and interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee, and Assignee accepts, free and clear of all liens and encumbrances, the entire right, title and interest in said invention and Patent Application and all utility and/or design applications, substitutions, divisionals, continuations and continuations-in-part thereof, and all subsequent United States Letters Patents which may be filed and/or granted thereon or having priority thereto, and all reissues, reexams and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all other patents and other applications for patents (including related rights such as utility-model registrations, inventor's certificates and the like) heretofore or hereafter filed in the United States and/or any foreign countries to said invention, and all patents (including all utility extensions, renewals and reissues thereof) granted in any foreign countries to said invention; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to transfer, maintain and/or issue patents on applications as aforesaid, to transfer, maintain and issue all patents for said invention to Assignee in accordance with the terms of this Assignment;

AND I HEREBY covenant that I, the respective undersigned Assignor, have full authority and right to convey in accordance herewith the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND I HEREBY covenant that I, the undersigned Assignor, will execute or procure any further necessary assurance of assignment and/or title to said Patent Application, and at any time, upon the request and at the expense of said Assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention, the Patent Application or any subsequent utility application(s) for the invention or Letters Patent which may be granted for the invention hereinafter in said Assignee, and its respective successors, assigns or other legal representatives;

AND I HEREBY further covenant and agree that I, the respective undersigned Assignor, without

*Attorney Docket No. 4949.51  
Xaloy-Employee Assignment*


From Prov. No. 61/521,087 to  
Utility App. No. 13/566,068

**PATENT**  
**REEL: 028754 FRAME: 0379**

further compensation therefore, will communicate to Assignee any facts known to me respecting said invention and/or Patent Application, and upon the request and at the expense of Assignee, will testify in any legal proceeding, sign all lawful papers, execute any subsequent, additional, provisional, utility, design, foreign, divisional, continuation, continuations-in-part, substitute or reissue applications for patents for said invention, or any part thereof, and for the reissue and/or reexamination of any Letters Patent to be granted therefore claiming priority thereto, and will make all rightful oaths and generally do everything possible for procuring the same or for aiding Assignee to obtain and enforce proper patent protection for said invention in all countries, including the United States.

IN TESTIMONY WHEREOF, I, the Assignor have hereunto executed this Assignment this 11th day of July, 2011.

ASSIGNOR

  
\_\_\_\_\_  
BRUCE F. TAYLOR

STATE OF OHIO            )  
                                  ) ss:  
COUNTY OF MAHONING )

On this 11th day of July, 2011, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared BRUCE F. TAYLOR, known to me or proven to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above Assignment, and acknowledge that he executed the same.

  
\_\_\_\_\_  
NOTARY PUBLIC



MARGARET MAXIM  
Notary Public - State of Ohio  
My Commission Expires April 5, 2014  
Recorded in Mahoning County



ASSIGNMENT

WHEREAS, by virtue of an assignment from its employees, **Bruce E. Hyllberg**, of 3473 Woodlawn Avenue, Gurnee, Illinois 60031, **Gary Fredrick** of 6616 South Loomis Road, Wind Lake, Wisconsin 53185, and **Rob A. Vesley**, of 6521 Primrose Way, Racine, Wisconsin 53406, **American Roller Company, LLC** (hereinafter referred to as said Company), a Delaware limited liability company, having a place of business at 1440 Thirteenth Avenue, Union Grove, WI 53182 (hereafter "Assignor"), is the owner of a part interest in certain inventions, which are described in a provisional patent application, Atty. Dkt. No. 4949.52, and entitled "Thermally Sprayed Electrode for a Ceramic-Wire Heater Layer;"(hereafter said "patent application") and;

WHEREAS, **Xaloy Incorporated**, a Delaware corporation, having a place of business at 1399 County Line Road, New Castle, PA 16107 (hereafter referred to as "Assignee") is desirous of acquiring the entire right, title and interest in said patent application, the rights appurtenant thereto and the inventions disclosed therein;

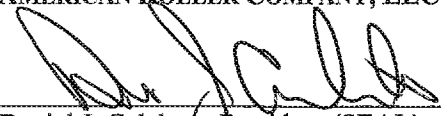
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and subject to the provisions of the Agreement titled "Ceramic Heated Product Supply, Distribution and Marketing Agreement," dated March 17, 2010, including all addendums thereto, between Assignor and Assignee, Assignor hereby sells, assigns and transfers unto Assignee, its successors and assigns, the entire right, title and interest in and to said patent application, the rights appurtenant thereto and the inventions therein, all reissues, re-examinations and extensions of the said U.S. patent, and all divisions and continuations of said U.S. patent, and the entire, right and interest to all claims that Assignor may have at law or equity for past, present or future infringements of said U.S. patent. Assignor also hereby authorizes and request the Director of the U.S. Patent and Trademark Office to issue said Letters Patent to said Assignee and further grants to said Assignee, its successors and assigns, the right to claim for any of said applications the full benefits and priority rights of any international agreement between the United States and any foreign country or countries or between any other countries.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be executed through its duly authorized representative, who has set forth his hand and seal at Union Grove, Wisconsin, on the date set forth below.

AMERICAN ROLLER COMPANY, LLC

Date: 7-11-11

By:

  
Daniel J. Cahalane, President (SEAL)  
*Cahalane*

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal at the on the date indicated with my signature.

STATE OF WISCONSIN     )  
  ) SS  
COUNTY OF RACINE     )

Before me on this 11<sup>th</sup> day of July, 2011, came **Daniel J. Cahalane** <sup>*Cahalane*</sup> to me known to be the person named in the foregoing assignment and he acknowledged his execution thereof to be his free act and deed.

Notary Public,  
State of Wisconsin  
My Commission: 3-9-2014

 (SEAL)

Attorney Docket No. 4949.52  
ARCO - Xaloy Assignment

From Prov. No. 61/509,174 to  
Utility App. No. 13/566,068

PATENT