PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Didier LETOURNEUR	04/22/2010
Philippe LECONTE	04/21/2010
Jean-Francis SPINDLER	04/21/2010
Patrick LERMUSIAUX	04/22/2010
Vincent BOSCHAT	04/23/2010

RECEIVING PARTY DATA

Name:	RHODIA OPERATIONS
Street Address:	40, RUE DE LA HAIE COQ
City:	AUBERVILLIERS
State/Country:	FRANCE
Postal Code:	F-93306

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12681397

CORRESPONDENCE DATA

Fax Number: (703)836-2021

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

Phone: 703-836-6620
Email: offserv@bipc.com

Correspondent Name: BUCHANAN, INGERSOLL & ROONEY PC

Address Line 1: POST OFFICE BOX 1404

Address Line 4: ALEXANDRIA, VIRGINIA 22313-1404

ATTORNEY DOCKET NUMBER:	1022702-000474
NAME OF SUBMITTER:	Norman H. Stepno

PATENT REEL: 024442 FRAME: 0177 OP \$40.00 12681397

501187348



PATENT REEL: 024442 FRAME: 0178

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by <u>DIDIER LETOURNEUR</u>, <u>PHILIPPE LECONTE</u>, <u>JEAN-FRANCIS SPINDLER</u>, <u>PATRICK LERMUSIAUX and VINCENT BOSCHAT</u>, residing at <u>7 rue Zuber</u>, <u>F-68170</u>, <u>Rixheim</u>, <u>FRANCE</u>, <u>11 rue des Boulangers F-68150 Ribeauvillé</u>, <u>FRANCE</u>, <u>62 chemin Plat</u>, <u>F-69360 Ternay</u>, <u>FRANCE</u>, <u>21 Bld Anatole France</u>, <u>F-69006 Lyon</u>, <u>FRANCE and 30 rue Jean Désorges</u>, <u>F-03300 Cusset</u>, <u>FRANCE</u> (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in CONTINUOUS PREPARATION OF AMINES BY NITRILE COMPOUND HYDROGENATION set forth in an application for Letters Patent of the United States, which is a

(1)		provisional application
	(a)	bearing Application No. , and filed on ;
	(b)	to be filed herewith; or
(2)	\boxtimes	non-provisional application
	(a)	bearing Application No. 12/681,397, and filed on April 2, 2010;
	(b)	having an oath or declaration executed on even date herewith prior to filing of application;
	(c)	having an oath or declaration executed on a different date than this Assignment; and

WHEREAS, <u>RHODIA OPERATIONS</u>, a corporation duly organized under and pursuant to the laws of <u>FRANCE</u> and having a principal place of business at <u>40 RUE DE LA HAIE-COQ</u>, <u>F-93306 AUBERVILLIERS</u>, <u>FRANCE</u> (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefore and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

Application No. <u>12/681,397</u> Attorney Docket No. <u>1022702-000474</u>

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE 04/22/2010	John J.
	DIDIER LETOURNEUR
DATE	
	PHILIPPE LECONTE
DATE	
	JEAN-FRANCIS SPINDLER
DATE	·
	PATRICK LERMUSIAUX
DATE	
	VINCENT BOSCHAT

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by <u>DIDIER LETOURNEUR</u>, <u>PHILIPPE LECONTE</u>, <u>JEAN-FRANCIS SPINDLER</u>, <u>PATRICK LERMUSIAUX and VINCENT BOSCHAT</u>, residing at <u>7 rue Zuber</u>, <u>F-68170</u>, <u>Rixheim</u>, <u>FRANCE</u>, <u>11 rue des Boulangers F-68150 Ribeauvillé</u>, <u>FRANCE</u>, <u>62 chemin Plat</u>, <u>F-69360 Ternay</u>, <u>FRANCE</u>, <u>21 Bld Anatole France</u>, <u>F-69006 Lyon</u>, <u>FRANCE and 30 rue Jean Désorges</u>, <u>F-03300 Cusset</u>, <u>FRANCE</u> (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in CONTINUOUS PREPARATION OF AMINES BY NITRILE COMPOUND HYDROGENATION set forth in an application for Letters Patent of the United States, which is a

(1)		provisional application		
	(a)		bearing Application No. , and filed on ;	
	(b)		to be filed herewith; or	
(2) 🖾		non-provisional application		
	(a)	\boxtimes	bearing Application No. 12/681,397, and filed on April 2, 2010;	
	(b)		having an oath or declaration executed on even date herewith prior to filing of application;	
	(c)		having an oath or declaration executed on a different date than this Assignment; and	

WHEREAS, RHODIA OPERATIONS, a corporation duly organized under and pursuant to the laws of FRANCE and having a principal place of business at 40 RUE DE LA HAIE-COQ, F-93306 AUBERVILLIERS, FRANCE (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefore and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made:

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the invention, filling date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE X	X
DATE	DIDIER LETOURNEUR
DATE April 21, 2010	The te
	PHILIPPE LECONTE
DATE April 21, 2010	
10/11	JEAN-THANCIS SPINDLER
DATE *	X
DATE	PATRICK LERMUSIAUX
DATE X	×
	VINCENT BOSCHAT

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by <u>DIDIER LETOURNEUR</u>, <u>PHILIPPE LECONTE</u>, <u>JEAN-FRANCIS SPINDLER</u>, <u>PATRICK LERMUSIAUX and VINCENT BOSCHAT</u>, residing at <u>7 rue Zuber</u>, <u>F-68170</u>, <u>Rixheim</u>, <u>FRANCE</u>, <u>11 rue des Boulangers F-68150 Ribeauvillé</u>, <u>FRANCE</u>, <u>62 chemin Plat</u>, <u>F-69360 Ternay</u>, <u>FRANCE</u>, <u>21 Bld Anatole France</u>, <u>F-69006 Lyon</u>, <u>FRANCE and 30 rue Jean Désorges</u>, <u>F-03300 Cusset</u>, <u>FRANCE</u> (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in CONTINUOUS PREPARATION OF AMINES BY NITRILE COMPOUND HYDROGENATION set forth in an application for Letters Patent of the United States, which is a

(1)		provisional application	
	(a)	bearing Application No. , and filed on ;	
	(b)	to be filed herewith; or	
(2)	\boxtimes	non-provisional application	
	(a)	bearing Application No. <u>12/681,397</u> , and filed on <u>April 2, 2010</u> ;	
	(b)	having an oath or declaration executed on even date herewith prior to filing of application;	
	(c)	having an oath or declaration executed on a different date than this Assignment; and	

WHEREAS, <u>RHODIA OPERATIONS</u>, a corporation duly organized under and pursuant to the laws of <u>FRANCE</u> and having a principal place of business at <u>40 RUE DE LA HAIE-COQ</u>, <u>F-93306 AUBERVILLIERS</u>, <u>FRANCE</u> (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefore and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

Application No. <u>12/681,397</u> Attorney Docket No. 1022702-000474

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE	
	DIDIER LETOURNEUR
DATE	
	PHILIPPE LECONTE
DATE	
	JEAN-FRANCIS SPINDLER
DATE 28/04/2010	- Ray
•	PATRICKLERMUSIAUX
DATE	
	VINCENT BOSCHAT

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by <u>DIDIER LETOURNEUR</u>, <u>PHILIPPE LECONTE</u>, <u>JEAN-FRANCIS SPINDLER</u>, <u>PATRICK LERMUSIAUX and VINCENT BOSCHAT</u>, residing at <u>7 rue Zuber</u>, <u>F-68170</u>, <u>Rixheim</u>, <u>FRANCE</u>, <u>11 rue des Boulangers F-68150 Ribeauvillé</u>, <u>FRANCE</u>, <u>62 chemin Plat</u>, <u>F-69360 Ternay</u>, <u>FRANCE</u>, <u>21 Bld Anatole France</u>, <u>F-69006 Lyon</u>, <u>FRANCE and 30 rue Jean Désorges</u>, <u>F-03300 Cusset</u>, <u>FRANCE</u> (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in CONTINUOUS PREPARATION OF AMINES BY NITRILE COMPOUND HYDROGENATION set forth in an application for Letters Patent of the United States, which is a

(1)		provisional application	
	(a)	bearing Application No. , and filed on ;	
	(b)	to be filed herewith; or	
(2)	\boxtimes	non-provisional application	
	(a)	bearing Application No. <u>12/681,397</u> , and filed on <u>April 2, 2010</u> ;	
	(b)	having an oath or declaration executed on even date herewith prior to filing of application;	
	(c)	having an oath or declaration executed on a different date than this Assignment; and	

WHEREAS, <u>RHODIA OPERATIONS</u>, a corporation duly organized under and pursuant to the laws of <u>FRANCE</u> and having a principal place of business at <u>40 RUE DE LA HAIE-COQ</u>, <u>F-93306 AUBERVILLIERS</u>, <u>FRANCE</u> (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefore and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made:

Application No. <u>12/681,397</u> Attorney Docket No. <u>1022702-000474</u>

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Buchanan Ingersoll & Rooney PC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE	
	DIDIER LETOURNEUR
DATE	
	PHILIPPE LECONTE
DATE	^
	JEAN-FRANCIS SPINDLER
DATE	-
DATE April 23, 20,10	PATRICK LERMUSIAUX
`` /	MAGENT DOCOLLAT

Page 2 of 2

RECORDED: 05/26/2010