

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3230579

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARKUS ARNOLD	11/13/2014
ADRIAN MURGATROYD	11/13/2014
CLEMENS GRUND	11/19/2014
GUNTER GORLITZ	11/23/2014
TIMO LIEBIG	02/06/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DYSTAR COLOURS DISTRIBUTION GMBH
<b>Street Address:</b>	INDUSTRIEPARK HOCHST
<b>Internal Address:</b>	GEBAUDE B 598
<b>City:</b>	FRANKFURT AM MAIN
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	65926
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13979756
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(302)467-4201
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	3024674200
<b>Email:</b>	amy.hamm@dbr.com
<b>Correspondent Name:</b>	ASHLEY I. PEZZNER
<b>Address Line 1:</b>	222 DELAWARE AVE.
<b>Address Line 4:</b>	WILMINGTON, DELAWARE 19801
<b>ATTORNEY DOCKET NUMBER:</b>	074003-0432-US-286025
<b>NAME OF SUBMITTER:</b>	ASHLEY I. PEZZNER
<b>SIGNATURE:</b>	/Ashley I. Pezzner/
<b>DATE SIGNED:</b>	02/18/2015
<b>Total Attachments: 11</b>	

source=Assignment#page1.tif  
source=Assignment#page2.tif  
source=Assignment#page3.tif  
source=Assignment#page4.tif  
source=Assignment#page5.tif  
source=Assignment#page6.tif  
source=Assignment#page7.tif  
source=Assignment#page8.tif  
source=Assignment#page9.tif  
source=Assignment#page10.tif  
source=Assignment#page11.tif

Dys 2011/D500

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by Markus Arnold; Adrian Murgatroyd; Clemens Grund; Gunter Görlitz; and Timo Liebig (hereinafter referred to as Assignors), residing at Krifteler Straße 11, 65795 Hattersheim, GERMANY; Wed 9, 65929 Frankfurt Am Main, GERMANY; Rossertstraße 66, 65795 Hattersheim, GERMANY; An der Trinkhalle 18, 65812 Bad Soden, GERMANY; and Regerstraße 59, 84489 Burghausen, GERMANY, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in DISPERSE DYE MIXTURES, THEIR PREPARATION AND USE, set forth in a Patent application for which an International Application was filed on January 7, 2012, PCT/EP2012/000049, designating the United States; and

**WHEREAS**, DyStar Colours Distribution GmbH, a organized under and pursuant to the laws of Germany having its principal place of business at Industriepark Höchst, Gebäude B 598, 65926 Frankfurt Am Main, GERMANY (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

**PATENT**

**REEL: 035023 FRAME: 0803**

with the rules of the United States Patent and Trademark Office for recordation of this document:

DRINKER BIDDLE & REATH LLP

All practitioners at Customer Number 123223

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 13.11.2014

Signature: \_\_\_\_\_

Markus Arnold

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Adrian Murgatroyd

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Clemens Grund

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Gunter Görlitz

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Timo Liebig

D/S 2011/D500

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by Markus Arnold; Adrian Murgatroyd; Clemens Grund; Gunter Görlitz; and Timo Liebig (hereinafter referred to as Assignors), residing at Krifteler Straße 11, 65795 Hattersheim, GERMANY; Wed 9, 65929 Frankfurt Am Main, GERMANY; Rossertstraße 66, 65795 Hattersheim, GERMANY; An der Trinkhalle 18, 65812 Bad Soden, GERMANY; and Regerstraße 59, 84489 Burghausen, GERMANY, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in DISPERSE DYE MIXTURES, THEIR PREPARATION AND USE, set forth in a Patent application for which an International Application was filed on January 7, 2012, PCT/EP2012/000049, designating the United States; and

**WHEREAS**, DyStar Colours Distribution GmbH, a organized under and pursuant to the laws of Germany having its principal place of business at Industriepark Höchst, Gebäude B 598, 65926 Frankfurt Am Main, GERMANY (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

**PATENT**

**REEL: 035023 FRAME: 0805**

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

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

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this document:

DRINKER BIDDLE & REATH LLP

All practitioners at Customer Number 123223

**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Markus Arnold

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

*Adrian Murgatroyd* 13/11/2014  
Adrian Murgatroyd

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

*Clemens Grund* 13/11/14  
Clemens Grund

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Gunter Görlitz

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Timo Liebig

Dys 2011/1500

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by Markus Arnold; Adrian Murgatroyd; Clemens Grund; Gunter Görlitz; and Timo Liebig (hereinafter referred to as Assignors), residing at Krifteler Straße 11, 65795 Hattersheim, GERMANY; Wed 9, 65929 Frankfurt Am Main, GERMANY; Rossertstraße 66, 65795 Hattersheim, GERMANY; An der Trinkhalle 18, 65812 Bad Soden, GERMANY; and Regerstraße 59, 84489 Burghausen, GERMANY, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in DISPERSE DYE MIXTURES, THEIR PREPARATION AND USE, set forth in a Patent application for which an International Application was filed on January 7, 2012, PCT/EP2012/000049, designating the United States; and

**WHEREAS**, DyStar Colours Distribution GmbH, a organized under and pursuant to the laws of Germany having its principal place of business at Industriepark Höchst, Gebäude B 598, 65926 Frankfurt Am Main, GERMANY (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

**PATENT**

**REEL: 035023 FRAME: 0808**



same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

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

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this document:

DRINKER BIDDLE & REATH LLP

All practitioners at Customer Number 123223

**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Markus Arnold

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Adrian Murgatroyd

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Clemens Grund

Date: 23.1.2014

Signature: Gunter Görlitz  
Gunter Görlitz

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Timo Liebig

DyS 2011/D300

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by Markus Arnold; Adrian Murgatroyd; Clemens Grund; Gunter Görlitz; and Timo Liebig (hereinafter referred to as Assignors), residing at Krifteler Straße 11, 65795 Hattersheim, GERMANY; Wed 9, 65929 Frankfurt Am Main, GERMANY; Rossertstraße 66, 65795 Hattersheim, GERMANY; An der Trinkhalle 18, 65812 Bad Soden, GERMANY; and Regerstraße 59, 84489 Burghausen, GERMANY, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in DISPERSE DYE MIXTURES, THEIR PREPARATION AND USE, set forth in a Patent application for which an International Application was filed on January 7, 2012, PCT/EP2012/000049, designating the United States; and

**WHEREAS**, DyStar Colours Distribution GmbH, a organized under and pursuant to the laws of Germany having its principal place of business at Industriepark Höchst, Gebäude B 598, 65926 Frankfurt Am Main, GERMANY (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

**PATENT**

**REEL: 035023 FRAME: 0811**

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

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

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this document:

DRINKER BIDDLE & REATH LLP

All practitioners at Customer Number 123223

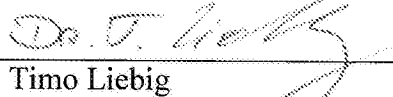
**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Markus Arnold

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Adrian Murgatroyd

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Clemens Grund

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Gunter Görlitz

Date: 06.02.2015 Signature:   
Timo Liebig