

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5583210

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	CIBA SPECIALTY CHEMICALS WATER TREATMENTS LIMITED	02/15/2019
RECEIVING PARTY DATA		
Name:	SOLENIS TECHNOLOGIES, L.P.	
Street Address:	3 BEAVER VALLEY ROAD	
Internal Address:	SUITE 500	
City:	WILMINGTON	
State/Country:	DELAWARE	
Postal Code:	19803	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	6454902
CORRESPONDENCE DATA		
Fax Number:	(480)385-5061	
<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>		
Phone:	4803855060	
Email:	solenis@lkglobal.com	
Correspondent Name:	LKGLOBAL (SOLENIS)	
Address Line 1:	7010 E. COCHISE ROAD	
Address Line 4:	SCOTTSDALE, ARIZONA 85253	
ATTORNEY DOCKET NUMBER:	B21919USR	
NAME OF SUBMITTER:	CHRISTOPHER S. ANDRZEJAK	
SIGNATURE:	/CHRISTOPHER S. ANDRZEJAK/	
DATE SIGNED:	06/20/2019	
Total Attachments: 10		
source=20190620_Assignment-CibaToSolenis#page1.tif		
source=20190620_Assignment-CibaToSolenis#page2.tif		
source=20190620_Assignment-CibaToSolenis#page3.tif		
source=20190620_Assignment-CibaToSolenis#page4.tif		
source=20190620_Assignment-CibaToSolenis#page5.tif		

source=20190620_Assignment-CibaToSolenis#page6.tif
source=20190620_Assignment-CibaToSolenis#page7.tif
source=20190620_Assignment-CibaToSolenis#page8.tif
source=20190620_Assignment-CibaToSolenis#page9.tif
source=20190620_Assignment-CibaToSolenis#page10.tif

U.S. ASSIGNMENT OF PATENTS

THIS U.S. ASSIGNMENT OF PATENTS made as of February 1, 2019 (this "Assignment") is entered into by and among BASF SE, formed under the laws of the Federal Republic of Germany, having a place of business at Carl-Bosch-Strasse 38, 67056 Ludwigshafen am Rhein, Germany, BASF plc, formed under the laws of the United Kingdom, having a place of business at Earl Road, Cheadle Hulme, Cheshire, SK8 6QC, United Kingdom, and Ciba Specialty Chemicals Water Treatments Ltd., Cleckheaton Road, Bradford, BD12 0JZ, United Kingdom (collectively referred to as "Assignor"), and Solenis Technologies, L.P., a limited partnership organized under the laws of Delaware (U.S.A.), having a place of business at 1209 Orange Street, Wilmington, Delaware 19801 ("Assignee").

WHEREAS, Assignor desires to convey, transfer and assign to Assignee all right title and interest in certain patents and patent applications of Assignor (the "Assigned Patents") including the United States Patents identified on Schedule A, and has agreed to execute and deliver this U.S. Patent Assignment;

WHEREAS, Assignor and Assignee are both parties to a certain Patent and Know-How Assignment and License Agreement, dated as of February 1, 2019 (the "PALA"), pursuant to which Assignor agreed to sell, convey, assign, deliver and transfer certain assets, including Assignor's right, title and interest in and to the Assigned Patents, to Assignee or one or more of its controlled affiliates;

WHEREAS, pursuant to the PALA, Assignor desires to assign to Assignee, and Assignee desires to accept, all of Assignor's right, title and interest within the United States in and to the Assigned Patents (the "U.S. Assigned Patents"), including the United States Patent Filings, identified on Schedule A.

NOW, THEREFORE, in consideration of the promises and covenants set forth herein and in the PALA and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Assignment. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby irrevocably conveys, transfers and assigns to Assignee, and Assignee hereby assumes and accepts, all of Assignor's right, title and interest in, free and clear of all encumbrances, and to the following:

(a) the patents and patent applications set forth in Schedule A hereto and all issuances, divisions, continuations, continuations-in-part, reissues, extensions, reexaminations and renewals thereof.

2. Recordation. This Assignment has been executed and delivered by Assignor with the intention of recording the assignment herein with the United States Patent and Trademark Office and other relevant filing offices of the jurisdictions set forth on Schedule A.

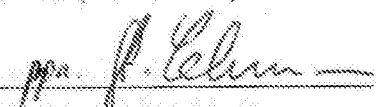
3. Patent And Know-How Assignment And License Agreement (PALA). Nothing in this Assignment, express or implied, is intended to or shall be construed to supersede, modify, replace, amend, rescind, waive, expand or limit in any way the rights of the parties under, and the terms of, the PALA. To the extent that any provision of this Assignment conflicts or is inconsistent with the terms of the PALA, the PALA shall govern, including with respect to the enforcement of the rights and obligations of the parties to this Assignment.

4. Successors and Assigns. This Assignment shall inure to the benefit of and be binding upon the parties hereto and their respective successors and permitted assigns.

5. Counterparts. This Assignment may be executed in one or more counterparts, each of which shall be deemed to be an original and all of which shall be deemed to constitute the same agreement. Delivery of an executed counterpart of a signature page of this Assignment by facsimile or other electronic imaging means shall be effective as delivery of a manually executed counterpart of this Assignment.

IN WITNESS WHEREOF, the parties have executed this Assignment as of the date first written above.

BASF SE (ASSIGNOR)

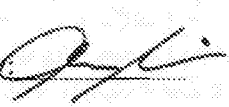
By:  1 V Rlo Pol

Name: Dr. Stephen Lehmann

Vice President IP

Title: Global Intellectual Property

BASF plc (ASSIGNOR)

By:  15/7/19

Name: TOM URWIN

Title: DIRECTOR



HELEN KOERNER
COMPANY SECRETARY

Ciba Specialty Chemicals Water Treatments Ltd. (ASSIGNOR)

By: [Signature] 15/8/89.

Name: TOM URWIN

Title: DIRECTOR

[Signature]
HELEN KOGENCE
COMPANY SECRETARY

Solenis Technologies, L.P. (ASSIGNEE)

By: _____

Name:

Title:

A-4

SCHEDULE A

ASSIGNED PATENTS AND PATENT APPLICATIONS

Ref. Number	Country	Title	Status	Application Number	Filed Date	Patent No.
B21903	US	SLUDGE DENSITY MEASUREMENT	Granted	09/889810	2000-01-10	6565755
B21916	US	MANUFACTURE OF PAPER AND PAPERBOARD	Granted	09/704351	2000-11-02	6406593
B21917	US	MANUFACTURE OF PAPER AND PAPERBOARD	Granted	09/704353	2000-11-02	6395134
B21919	US	MANUFACTURE OF PAPER AND PAPERBOARD	Granted	09/704350	2000-11-02	6454902
B21919	US	MANUFACTURE OF PAPER AND PAPERBOARD	Granted	10/211898	2000-11-02	6616806
B21944	US	MANUFACTURE OF PAPER AND PAPERBOARD	Granted	09/974930	2001-10-10	6524439
B22315	US	APPARATUS AND METHOD FOR WETTING POWDER	Granted	10/475477	2002-04-30	6988823
B22350	US	BIOCATALYST COMPOSITION	Granted	10/580446	2004-11-22	7816106
B22351	US	MICROORGANISM	Granted	10/580448	2004-11-22	7575912
B22351	US	MICROORGANISM	Granted	12/499362	2004-11-22	8153406
B22350	US	BIOCATALYST COMPOSITION	Granted	12/879558	2004-11-22	9434969
B22363	US	PROCESS FOR PREPARING MONOMERS AND POLYMERS THEREOF	Published	11/631993	2005-07-01	
B21918	US	MANUFACTURE OF PAPER AND PAPERBOARD	Granted	09/704352	1999-11-08	6391156
B51642	US	STAERKEHALTIGE POLYMERDISPERSIONEN	Closed	10/344118	2001-08-01	6835767
B54101	US	Verfahren zur Herstellung einer Flüssigformulierung von Salzen sulfonsaurer Azofarbstoffe	Closed	10/534057	2003-11-17	7488810
B55613	US	Verfahren zur Herstellung einer Flüssigformulierung von Salzen sulfonsaurer Azofarbstoffe	Closed	11/569263	2005-05-18	7847073
B57334	US	Flüssigformulierungen von Direktfarbstoffen	Closed	12/093396	2006-11-13	7713311
B60208	US	Entschäumer für die Papierindustrie	Closed	12/680456	2008-10-13	
B22350	US	BIOCATALYST COMPOSITION	Closed	10/580446	2004-11-22	
B22609	US	AQUEOUS DYE SOLUTIONS	Closed	10/502697	2003-01-21	
B23319	US	AQUEOUS SOLUTIONS OF DIRECT DYES	Closed	11/919103	2006-05-08	8034129
B62195	US	Feinteilige, kationische, wässrige Polymerdispersionen, Verfahren zu ihrer Herstellung und ihre Verwendung	Closed	13/376078	2010-06-01	8901227

Ref. Number	Country	Title	Status	Application Number	Filed Date	Patent No.
B75555	US	PRODUCTS UTILISING FIBRE PULP	Closed	13/695536	2011-05-04	
B75778	US	Finely divided, starch-containing polymer dispersions, processes for their preparation and use as sizes in papermaking	Closed	15/323637	2015-07-02	
B72825	US	Finely divided, starch-containing polymer dispersions, processes for their preparation and use as sizes in papermaking	Closed	14/959118	2012-10-11	
B47973	US	VERFAHREN ZUR HERSTELLUNG VON PAPIER, PAPPE UND KARTON	Expired	09/403769	1998-04-24	6576086
B58006	US	Polymeric boronic acid derivatives and their use for papermaking	Expired	60/592145	2004-07-30	
B58006	US	Polymeric boronic acid derivatives and their use for papermaking	Expired	60/620447	2004-10-21	
B21916	US	MANUFACTURE OF PAPER AND PAPERBOARD	Expired	60/164231	1999-11-08	
B21917	US	MANUFACTURE OF PAPER AND PAPERBOARD	Expired	60/164230	1999-11-08	
B21918	US	MANUFACTURE OF PAPER AND PAPERBOARD	Expired	60/164229	1999-11-08	
B21919	US	MANUFACTURE OF PAPER AND PAPERBOARD	Expired	60/164232	1999-11-08	
B21944	US	MANUFACTURE OF PAPER AND PAPERBOARD	Expired	60/240635	2000-10-16	
B22386	US	GLYOXALATION OF VINYLAMIDE POLYMER	Expired	60/843156	2006-09-07	
B22386	US	GLYOXALATION OF VINYLAMIDE POLYMER	Expired	60/851188	2006-10-12	
B22386	US	GLYOXALATION OF VINYLAMIDE POLYMER	Expired	60/934597	2007-06-14	
B23815	US	GLYOXALATED N-VINYLAMINE	Expired	61/001817	2007-11-05	
B71576	US	Manufacture of Cellulosic Pulp Sheets	Expired	61/413997	2010-11-16	
B71991	US	Verfahren zur Herstellung von Papier, Pappe und Karton	Expired	61/499204	2011-06-21	
B72825	US	Finely divided, starch-containing polymer dispersions, processes for their preparation and use as sizes in papermaking	Expired	61/547081	2011-10-14	
B72747	US	PREPARATION OF POLYVINYLAMIDE CELLULOSE REACTIVE ADDUCTS	Expired	61/567421	2011-12-06	
B73099	US	Heat Sensitive Coating Composition	Expired	61/577691	2011-12-20	
B73378	US	Process for the Manufacture of Paper and Paperboard	Expired	61/605221	2012-03-01	

Ref. Number	Country	Title	Status	Application Number	Filed Date	Patent No.
B73741	US	Verfahren zur Herstellung von Papier, Pappe und Karton	Expired	61/691819	2012-08-22	
B75032	US	Aqueous emulsion of a sizing agent	Expired	61/771099	2013-03-01	
B76024	US	HIGH MOLECULAR WEIGHT AND HIGH CATIONIC CHARGE GLYOXALATED POLYACRYLAMIDE COPOLYMERS, THEIR METHODS AND USE	Expired	61/875490	2013-09-09	
B61118	US	High Molecular Weight Temporary Weight Strength Resin for Paper	Expired	62/447615	2017-01-18	
B70793	US	Novel Water Stable Granules	Expired	62/526756	2017-06-29	
B78481	US	Finely divided, cationic, aqueous polymer dispersions, method for the production thereof, and the use thereof	Filed	15/780279	2016-12-01	
B76089	US	METHODS FOR INCREASING THE VISCOSITY OF A POLYACRYLAMIDE SOLUTION	Filed	16/087472	2017-03-29	
B49505	US	WAESSRIGE DISPERSIONEN V. WASSERLOESLICHEN POLYMERISATEN V. N-VINYLCARBONSAEUREAMIDEN, VERF. Z. ...	Granted	09/830566	1999-10-30	7034068
B53776	US	Entschäumer und/oder Entlüfter für wässrige, zur Schaumbildung neigende Medien	Granted	10/519405	2003-07-16	7763664
B54499	US	Verfahren zur Verbesserung der Bedruckbarkeit von Papier und Papierprodukten beim Bedrucken mit Hilfe des Tintenstrahldruckverfahrens	Granted	10/554286	2004-04-20	8133543
B55446	US	Verfahren zur Herstellung von Papier, Pappe und Karton	Granted	10/590933	2005-03-14	8337665
B55640	US	Feinteilige, amphotere, wässrige Polymerdispersionen, Verfahren zu ihrer Herstellung und ihre Verwendung	Granted	11/569912	2005-06-03	7579414
B54426	US	Wässrige Anschlammung von feinteiligen Füllstoffen, Verfahren zu ihrer Herstellung und ihre Verwendung zur Herstellung füllstoffhaltiger Papiere	Granted	11/082904	2004-03-30	7951265
B55880	US	Verfahren zur Herstellung von Papier, Pappe und Karton	Granted	11/574677	2005-09-08	8029647

Ref. Number	Country	Title	Status	Application Number	Filed Date	Patent No.
B56066	US	Verfahren zur Herstellung von Papier, Pappe und Karton mit hoher Trockenfestigkeit	Granted	11/719826	2005-11-21	8349134
B56167	US	Papiere mit hohem Füllstoffgehalt und hoher Trockenfestigkeit	Granted	11/721929	2005-12-14	8778139
B56195	US	Verfahren zur Herstellung von Papier, Pappe und Karton	Granted	11/722468	2005-12-17	7998314
B56115	US	Verfahren zur Herstellung von Papieren mit hohen Flächengewichten	Granted	11/720814	2005-12-01	8152962
B49505	US	WAESSRIGE DISPERSIONEN V. WASSERLOESLICHEN POLYMERISATEN V. N-VINYLCARBONSAEUREAMIDEN, VERF. Z. ...	Granted	11/328171	1999-10-30	7297733
B58006	US	Polymeric boronic acid derivatives and their use for papermaking	Granted	11/658761	2005-07-29	7943713
B21886	US	SELECTED DEVELOPERS FOR USE IN HEAT SENSITIVE RECORDING MATERIALS (HEAT SENSITIVE RECORDING MATERIAL)	Granted	09/868105	1999-12-03	6624117
B22206	US	VERFAHREN ZUR HERSTELLUNG VON LÖSUNGEN VON ANIONISCHEN ORGANISCHEN VERBINDUNGEN	Granted	10/296108	2001-05-21	6860906
B22386	US	GLYOXALATION OF VINYLAMIDE POLYMER	Granted	11/895923	2007-08-28	7875676
B22609	US	AQUEOUS DYE SOLUTIONS	Granted	10/502697	2003-01-21	7909892
B23320	US	1-PHENOXY-2-PROPANOL AS A FORMULATING AID FOR DYES	Granted	11/919102	2006-05-08	7976586
B23358	US	STABLE AQUEOUS DISPERSIONS OF COLOUR DEVELOPER	Granted	11/989166	2006-07-19	8093179
B23556	US	A PROCESS FOR IMPROVING PAPER STRENGTH	Granted	12/445590	2007-10-15	8088251
B23815	US	GLYOXALATED N-VINYLAMINE	Granted	12/290465	2008-10-31	8262859
B60959	US	Herstellung von Papier	Granted	12/996688	2009-06-09	8382948
B61131	US	Verfahren zur Erhöhung der Trockenfestigkeit von Papier, Pappe und Karton	Granted	13/058217	2009-08-10	8404083
B23975	US	AQUEOUS DIRECT DYE FORMULATIONS	Granted	13/202127	2010-03-11	8506653
B62229	US	Verfahren zur Erhöhung der Trockenfestigkeit von Papier, Pappe und Karton	Granted	13/376509	2010-06-07	8926797
B23966	US	AQUEOUS DYE DISPERSIONS	Granted	13/144145	2010-01-29	8668747

Ref. Number	Country	Title	Status	Application Number	Filed Date	Patent No.
B62662	US	Verfahren zur Herstellung von Papier, Pappe und Karton mit hoher Trockenfestigkeit	Granted	13/502885	2010-10-14	8647470
B62619	US	Feinteilige, stärkehaltige Polymerdispersionen, Verfahren zu ihrer Herstellung und Verwendung als Leimungsmittel in der Papierherstellung	Granted	13/498734	2010-09-28	8685207
B22386	US	GLYOXALATION OF VINYLAMIDE POLYMER	Granted	12/969783	2007-08-28	8222343
B23815	US	GLYOXALATED N-VINYLAMINE	Granted	13/113385	2008-10-31	8299180
B71576	US	Manufacture of Cellulosic Pulp Sheets	Granted	13/885760	2011-11-14	8916026
B23556	US	A PROCESS FOR IMPROVING PAPER STRENGTH	Granted	13/302530	2007-10-15	8425725
B23556	US	A PROCESS FOR IMPROVING PAPER STRENGTH	Granted	13/302597	2007-10-15	8425726
B72434	US	Manufacture of paper and paperboard	Granted	14/125401	2012-06-20	9103071
B71991	US	Verfahren zur Herstellung von Papier, Pappe und Karton	Granted	13/526710	2012-06-19	8753479
B72825	US	Finely divided, starch-containing polymer dispersions, processes for their preparation and use as sizes in papermaking	Granted	14/350467	2012-10-11	9315943
B22386	US	GLYOXALATION OF VINYLAMIDE POLYMER	Granted	13/524741	2007-08-28	8703847
B55446	US	Verfahren zur Herstellung von Papier, Pappe und Karton	Granted	13/609356	2005-03-14	8486227
B72499	US	Process for the Manufacture of Paper and Paperboard	Granted	14/373174	2013-01-31	9404223
B73378	US	Process for the Manufacture of Paper and Paperboard	Granted	14/378059	2013-02-25	9631319
B72747	US	PREPARATION OF POLYVINYLAMIDE CELLULOSE REACTIVE ADDUCTS	Granted	13/707491	2012-12-06	8920606
B75553	US	DEFIBRILLATING CELLULOSE FIBRES (REFLECT)	Granted	13/379778	2010-06-23	8833681
B75554	US	APPARATUS AND METHOD FOR THE MANUFACTURE OF PAPER AND/OR CARD	Granted	13/508321	2010-11-05	8752776
B75011	US	Verfahren zur Herstellung von Papier, Pappe und Karton	Granted	13/969774	2013-08-19	9051687
B74717	US	Process for the Manufacture of Paper and Paperboard	Granted	14/760381	2014-01-09	10113270
B75032	US	Aqueous emulsion of a sizing agent	Granted	14/771868	2014-02-24	9708771

Ref. Number	Country	Title	Status	Application Number	Filed Date	Patent No.
B62662	US	Verfahren zur Herstellung von Papier, Pappe und Karton mit hoher Trockenfestigkeit	Granted	14/105259	2010-10-14	9206551
B71576	US	Manufacture of Cellulosic Pulp Sheets	Granted	14/453282	2011-11-14	9567710
B74857	US	Antifoaming Agents for the Paper Industry, Based on Oil in Water Emulsions	Granted	15/035959	2014-11-17	9982392
B72747	US	PREPARATION OF POLYVINYLAMIDE CELLULOSE REACTIVE ADDUCTS	Granted	14/546068	2012-12-06	9879381
B76561	US	Verfahren zur Herstellung von Wellpappenkarton	Granted	15/129986	2015-03-10	10047480
B73741	US	Verfahren zur Herstellung von Papier, Pappe und Karton	Granted	14/662806	2013-08-19	9765483
B76024	US	HIGH MOLECULAR WEIGHT AND HIGH CATIONIC CHARGE GLYOXALATED POLYACRYLAMIDE COPOLYMERS, THEIR METHODS AND USE	Granted	14/913750	2014-09-08	9644320
B73099	US	Heat Sensitive Coating Composition	Published	14/361995	2012-12-17	
B75011	US	Process for the production of a microfibrillated cellulose composition	Published	14/899820	2014-05-27	
B76637	US	Means and methods for producing amide compounds with less acrylic acid	Published	15/513670	2015-09-30	
B76643	US	Method for preparing an aqueous acrylamide solution having a low acrylic acid concentration	Published	15/514321	2015-09-30	
B77708	US	Method of cultivating microorganisms having nitrile hydratase activity	Published	15/512792	2015-09-30	
B76241	US	Process for Inhibiting the Corrosion of Metal Surfaces	Published	15/565182	2016-04-04	
B76669	US	Processes for Reducing the Fouling of Surfaces	Published	15/565938	2016-04-12	
B78215	US	Verfahren zur Herstellung von Papier	Published	15/747263	2016-08-04	
B50130	US	New Processes for the separation of water from aqueous systems	Published	15/770230	2016-10-27	
B74826	US	Manufacture of Paper and Paperboard containing Wood free Pulp	Granted	15/026872	2014-10-03	9765482