

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6240038

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
OLIN CORPORATION	08/06/2020

RECEIVING PARTY DATA

Name:	BANK OF AMERICA, N.A.
Street Address:	101 N. TRYON STREET, 5TH FLOOR
Internal Address:	MAIL CODE: NC1-001-05-45
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28255-0001

PROPERTY NUMBERS Total: 62

Property Type	Number
Patent Number:	6837165
Patent Number:	6799519
Patent Number:	6779461
Patent Number:	6564720
Patent Number:	7451706
Patent Number:	7299733
Patent Number:	7069863
Patent Number:	7921779
Patent Number:	7150233
Patent Number:	7487727
Patent Number:	7150229
Patent Number:	6878221
Patent Number:	7159519
Patent Number:	7607392
Patent Number:	6935243
Patent Number:	6964232
Patent Number:	7162942
Patent Number:	7007609
Patent Number:	7302892

PATENT

Property Type	Number
Patent Number:	9562753
Patent Number:	D713487
Patent Number:	7918164
Patent Number:	7707942
Patent Number:	7891299
Patent Number:	8256352
Patent Number:	8161886
Patent Number:	7832337
Patent Number:	D633166
Patent Number:	D654137
Patent Number:	D773008
Patent Number:	D654138
Patent Number:	9322622
Patent Number:	8418620
Patent Number:	9046333
Patent Number:	8789470
Patent Number:	8622000
Patent Number:	8646389
Patent Number:	9250048
Patent Number:	9702679
Patent Number:	9194676
Patent Number:	D857833
Patent Number:	D753259
Patent Number:	D845427
Patent Number:	D764624
Patent Number:	10222185
Patent Number:	6709485
Patent Number:	9434616
Patent Number:	D876578
Patent Number:	D885516
Application Number:	15170546
Application Number:	15713600
Application Number:	15896730
Application Number:	15956860
Application Number:	16038149
PCT Number:	US2018028248
PCT Number:	UC2018042568
Application Number:	29667640

Property Type	Number
Application Number:	16233077
PCT Number:	US2018067577
Application Number:	16661311
PCT Number:	US2019057591
Application Number:	15580360

CORRESPONDENCE DATA

Fax Number: (800)914-4240

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.

Phone: 800-713-0755

Email: james.murray@wolterskluwer.com, ECarrera@cahill.com

Correspondent Name: CT CORPORATION

Address Line 1: 4400 EASTON COMMONS WAY

Address Line 2: SUITE 125

Address Line 4: COLUMBUS, OHIO 43219

NAME OF SUBMITTER:	ELAINE CARRERA
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SIGNATURE:	/Elaine Carrera/
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DATE SIGNED:	08/07/2020
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Total Attachments: 7

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GRANT OF
SECURITY INTEREST IN PATENT RIGHTS

This GRANT OF SECURITY INTEREST IN PATENT RIGHTS ("Agreement"), effective as of August 6, 2020 is made by OLIN CORPORATION, a Virginia corporation, located at 190 Carondelet Plaza, Suite 1530, Clayton, Missouri 63105 (the "Obligor"), in favor of BANK OF AMERICA, N.A., as Administrative Agent (the "Agent") for the Secured Parties (the "Secured Parties"), referred to in the Credit Agreement, dated as of July 16, 2019 (as modified and supplemented and in effect from time to time, the "Credit Agreement"), among Olin Corporation, a Virginia corporation ("Company"), the lenders party thereto and the Agent.

WITNESSETH:

WHEREAS, pursuant to the Credit Agreement and certain other agreements referred to therein, the Secured Parties have agreed to make loans and other extensions of credit and accommodations to the Company and its Subsidiaries upon the terms and subject to the conditions set forth therein; and

WHEREAS, in connection therewith, the Company and certain of its Subsidiaries have executed and delivered a Security Agreement, dated as of August 6, 2020, in favor of the Agent (together with all amendments and modifications, if any, from time to time thereafter made thereto, the "Security Agreement");

WHEREAS, pursuant to the Security Agreement, the Obligor pledged and granted to the Agent, for the benefit of the Agent and the Secured Parties, a continuing security interest in all Intellectual Property, including the Patents; and

WHEREAS, the Obligor has duly authorized the execution, delivery and performance of this Agreement;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and in order to induce the Secured Parties to make loans and other financial accommodations to the Company and its Subsidiaries pursuant to the Credit Agreement and the other agreements referred to therein, the Obligor agrees, for the benefit of the Agent and the Secured Parties, as follows:

SECTION 1. Definitions. Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, have the meanings provided or provided by reference in the Credit Agreement and the Security Agreement.

SECTION 2. Grant of Security Interest. The Obligor hereby pledges and grants a continuing security interest in all of the Obligor's right, title and interest in, to and under the Patents, including those listed on Schedule A hereto (collectively, the "Collateral"), to the Agent for the benefit of the Agent and the Secured Parties to secure payment, performance and observance of the Obligations.

SECTION 3. Purpose. This Agreement has been executed and delivered by the Obligor for the purpose of recording the grant of security interest herein with the United States Patent and Trademark Office. The security interest granted hereby has been granted to the Agent in connection with the Security Agreement and is expressly subject to the terms and conditions thereof. The Security Agreement (and all rights and remedies of the Agent thereunder) shall remain in full force and effect in accordance with its terms.

SECTION 4. Acknowledgment. The Obligor does hereby further acknowledge and affirm that the rights and remedies of the Secured Parties with respect to the security interest in the Collateral granted hereby are more fully set forth in the Credit Agreement and the Security Agreement. In the event of any conflict between the terms of this Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

SECTION 5. Counterparts. This Agreement may be executed in counterparts, each of which will be deemed an original, but all of which together constitute one and the same original.

(Remainder of the page intentionally left blank)

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed and delivered by their respective officers thereunto duly authorized as of the day and year first above written.

OLIN CORPORATION

By: Teresa M. Vermillion
Name: Teresa M. Vermillion
Title: Vice President and Treasurer

[Signature Page to Grant of Security Interest in Patent Rights]

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PATENT
REEL: 053436 FRAME: 0267

BANK OF AMERICA, N.A.,
as Administrative Agent

By: Taelitha Bonds-Harris

Name: Taelitha Bonds-Harris
Title: Assistant Vice President

[Signature Page to Grant of Security Interest in Patent Rights]

[[5474606]]

PATENT
REEL: 053436 FRAME: 0268

Schedule A

U.S. Patent Registrations

Title	App. No.	App. Date	Issue No.	Issue Date	Owner
Bullet With Spherical Nose Portion	10/288889	11/6/2002	6837165	1/4/2005	Olin Corporation
Sabot For A Bullet	10/384039	3/7/2003	6799519	10/5/2004	Olin Corporation
Industrial Ammunition	10/088409	3/18/2002	6779461	8/24/2004	Olin Corporation
Sabot For A Bullet	09/686608	10/11/2000	6564720	5/20/2003	Olin Corporation
Short Magnum Shotgun Cartridge and Firing Assembly	11/043225	1/25/2005	7451706	11/18/2008	Olin Corporation
Bullet with Spherical Nose Portion	10/871093	6/18/2004	7299733	11/27/2007	Olin Corporation
Industrial Ammunition	10/873810	6/22/2004	7069863	7/4/2006	Olin Corporation
Industrial Ammunition	11/475854	6/27/2006	7921779	4/12/2011	Olin Corporation
Jacketed Boat Tail Bullet	10/832082	4/26/2004	7150233	12/19/2006	Olin Corporation
Bullet with Spherical Nose Portion	10/872261	6/18/2004	7487727	2/10/2009	Olin Corporation
Projectile Wad for Ammunition Cartridges	10/832879	4/27/2004	7150229	12/19/2006	Olin Corporation
Lead Free Nontoxic Explosive Mix	10/462555	6/16/2003	6878221	4/12/2005	Olin Corporation
Slug For Industrial Ballistic Tool	10/653516	9/2/2003	7159519	1/9/2007	Olin Corporation
Shellcase for Controlling Reflections of Primer Shockwaves	10/980107	11/1/2004	7607392	10/27/2009	Olin Corporation
Bullet	10/377903	3/3/2003	6935243	8/30/2005	Olin Corporation
Bullet with Spherical Nose Portion	10/872221	6/18/2004	6964232	11/15/2005	Olin Corporation
Bullet	11/143190	7/21/2005	7162942	1/16/2007	Olin Corporation
Sabot for a Bullet	10/928073	8/26/2004	7007609	3/7/2006	Olin Corporation
Sabot And Shotgun Combination	11/369902	3/7/2006	7302892	12/4/2007	Olin Corporation
Upset Jacketed Bullets	11/512486	8/30/2006	9562753	2/7/2017	Olin Corporation
Light Transmissive Red-Colored Tip Of A Projectile	29/265377	8/30/2006	D713487	9/16/2014	Olin Corporation
Jacketed Boat-Tail Bullet	11/642050	12/19/2006	7918164	4/5/2011	Olin Corporation
Projectile Wad for Ammunition Cartridges	11/642051	12/19/2006	7707942	5/4/2010	Olin Corporation
Slug For Industrial Ballistic Tool	12/030035	2/12/2008	7891299	2/22/2011	Olin Corporation
Jacketed Bullet With Bonded Core	12/143695	6/20/2008	8256352	9/4/2012	Olin Corporation
Short Magnum Shotgun Cartridge and Firing Assembly	12/268804	11/11/2008	8161886	4/24/2012	Olin Corporation
Shellcase for Controlling Reflections of Primer Shockwaves	12/604602	10/23/2009	7832337	11/16/2010	Olin Corporation
Disc-Shaped Projectile for a Shot Shell	29/353883	1/15/2010	D633166	2/22/2011	Olin Corporation
Shot Cup	29/375155	9/17/2010	D654137	2/14/2012	Olin Corporation
Shot	29/377349	10/20/2010	D773008	11/29/2016	Olin Corporation
Petal for a Shot Cup	29/375158	9/17/2010	D654138	2/14/2012	Olin Corporation
Shotshell with Combination Slug and Shot Load	13/005586	1/13/2011	9322622	4/26/2016	Olin Corporation
Shot Cup for Shotgun	13/233384	9/15/2011	8418620	4/16/2013	Olin Corporation
Bullet	13/233444	9/15/2011	9046333	6/2/2015	Olin Corporation
Segmenting Slug	13/366566	2/6/2012	8789470	7/29/2014	Olin Corporation
Rounded Cubic Shot And Shotshells Loaded With Rounded Cubic Shot	13/422708	3/16/2012	8622000	1/7/2014	Olin Corporation
Jacketed Bullet With Bonded Core	13/570768	8/9/2012	8646389	2/11/2014	Olin Corporation
Shotshell With Reduced Dispersion Of Projectiles	13/854931	4/1/2013	9250048	2/2/2016	Olin Corporation
Frangible Projectile	13/953170	7/29/2013	9702679	7/11/2017	Olin Corporation
Hollow Point Bullet	14/307476	6/17/2014	9194676	11/24/2015	Olin Corporation
Segmentable Slug	29/600006	4/7/2017	D857833	8/27/2019	Olin Corporation

Title	App. No.	App. Date	Issue No.	Issue Date	Owner
Shell Casing With Surface Treatment	29/501904	9/9/2014	D753259	4/5/2016	Olin Corporation
Segmentable Slug	29/600005	4/7/2017	D845427	4/9/2019	Olin Corporation
Shouldered Round Nose Bullet	29/506123	10/13/2014	D764624	8/23/2016	Olin Corporation
Shotshell With Reduced Dispersion Of Projectiles	15/012743	2/1/2016	10222185	3/5/2019	Olin Corporation
Process Of Removing Carbon Dioxide From A Chlor/Alkali Plant Tail Gas Stream	10/309631	12/4/2002	6709485	3/23/2004	Olin Corporation
Sodium Hypochlorite Composition And Method Of Storing And Transporting Sodium Hypochlorite	14/067672	10/30/2013	9434616	9/6/2016	Olin Corporation
Projectile For Ammunition	29/629659	12/14/2017	D876578	02/25/2020	Olin Corporation and Quantum Ammunition, LLC
Bullet	29/667642	10/23/2018	D885516	05/26/2020	Olin Corporation

U.S. Patent Applications

Title	App. No.	Filing Date	Owner
Expanding Bullets	15/170546	6/1/2016	Olin Corporation
Pyrotechnic Compositions	15/713600	9/22/2017	Olin Corporation
Segmenting Pistol Bullet	15/896730	2/14/2018	Olin Corporation
Compound Shell Casing, And Ammunition Having Compound Shell Casing	15/956860	4/19/2018	Olin Corporation
Fragmenting Bullet	16/038149	7/17/2018	Olin Corporation
Compound Shell Casing, And Ammunition Having Compound Shell Casing	PCT/US2018/028248	4/19/2018	Olin Corporation
Fragmenting Bullet	PCT/US2018/042568	7/17/2018	Olin Corporation
Cartridge	29/667640	10/23/2018	Olin Corporation
Bullets And Methods Of Making Bullets	16/233077	12/26/2018	Olin Corporation
Bullets And Methods Of Making Bullets	PCT/US2018/067577	12/26/2018	Olin Corporation
Hollow Point Bullet	16/661311	10/23/2019	Olin Corporation
Hollow Point Bullet	PCT/US2019/057591	10/23/2019	Olin Corporation
Sodium Hypochlorite Composition	15/580360	12/7/2017	Olin Corporation