504978900 06/27/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5025646

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY AGREEMENT	

CONVEYING PARTY DATA

Name	Execution Date
ALERIS ROLLED PRODUCTS, LLC	06/25/2018

RECEIVING PARTY DATA

Name:	U.S. BANK NATIONAL ASSOCIATION	
Street Address:	535 GRISWOLD STREET, SUITE 550	
City:	DETROIT	
State/Country:	MICHIGAN	
Postal Code:	48226	

PROPERTY NUMBERS Total: 3

Property Type	Number
Patent Number:	6764559
Patent Number:	6789602
Patent Number:	6827179

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: Michael.Violet@wolterskluwer.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	
SIGNATURE:	/Elaine Carrera/	
DATE SIGNED:	06/27/2018	

Total Attachments: 6

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PATENT 504978900 REEL: 046439 FRAME: 0001

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PATENT REEL: 046439 FRAME: 0002

PATENT SECURITY AGREEMENT

Patent Security Agreement, dated as of June 25, 2018, by Aleris Rolled Products, LLC (the "<u>Pledgor</u>"), in favor of U.S. Bank National Association, in its capacity as collateral agent pursuant to the Indenture (in such capacity, the "<u>Collateral Agent</u>").

WITNESSETH:

WHEREAS, the Pledgor is party to a Security Agreement of even date herewith (as amended, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement") in favor of the Collateral Agent pursuant to which the Pledgor is required to execute and deliver this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Collateral Agent, for the benefit of the Secured Parties, to enter into the Indenture, the Pledgor hereby agrees with the Collateral Agent as follows:

SECTION 1. <u>Defined Terms</u>. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. <u>Grant of Security Interest in Patent Collateral</u>. The Pledgor hereby pledges and grants to the Collateral Agent for the benefit of the Secured Parties a Lien on and security interest in and to all of its right, title and interest in, to and under all the following Pledged Collateral of the Pledgor (the "<u>Patent Collateral</u>"):

- (a) Patents of the Pledgor, including those listed on Schedule I attached hereto; and
- (b) all Proceeds of any and all of the foregoing (other than Excluded Assets).

SECTION 3. <u>Security Agreement</u>. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Collateral Agent pursuant to the Security Agreement and the Pledgor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Patent Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control unless the Collateral Agent shall otherwise determine.

SECTION 4. <u>Termination</u>. Upon the payment in full of the Secured Obligations and termination of the Security Agreement, the Collateral Agent shall execute, acknowledge, and deliver to the Pledgor an instrument in writing in recordable form releasing the collateral pledge, grant, assignment, Lien and security interest in the Patent Collateral under this Patent Security Agreement.

SECTION 5. <u>Counterparts</u>. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts. Delivery of an executed counterpart of a signature page of this Patent Security Agreement by facsimile or other electronic transmission shall be effective as delivery of a manually executed counterpart of this Patent Security Agreement.

PATENT REEL: 046439 FRAME: 0003 SECTION 6. Governing Law. This Patent Security Agreement and the transactions contemplated hereby, and all disputes between the parties under or relating to this Patent Security Agreement or the facts or circumstances leading to its execution, whether in contract, tort or otherwise, shall be construed in accordance with and governed by the laws (including statutes of limitation) of the State of New York, without regard to conflicts of law principles that would require the application of the laws of another jurisdiction.

[signature page follows]

PATENT REEL: 046439 FRAME: 0004 IN WITNESS WHEREOF, each Pledgor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,

ALERIS ROLLED PRODUCTS, LLC, as

Pledgor

By:

Name: Eric M. Rychel

Title: President

REEL: 046439 FRAME: 0005

Accepted and Agreed:

U.S. BANK NATIONAL ASSOCIATION, as Collateral Agent

By:

Name: James Kowalski Title: Vice President

[Signature Page to Patent Security Agreement]

SCHEDULE I

to

PATENT SECURITY AGREEMENT PATENT REGISTRATIONS AND PATENT APPLICATIONS

UNITED STATES PATENTS:

Registrations:

OWNER	PATENT NUMBER	DESCRIPTION
Aleris Rolled Products, LLC	6764559	Aluminum automotive frame members
Aleris Rolled Products, LLC	6789602	Process for producing aluminum sheet product having controlled recrystallization
Aleris Rolled Products, LLC	6827179	Sound barrier system

Applications:

None.

PATENT REEL: 046439 FRAME: 0007

RECORDED: 06/27/2018