

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI883644

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Release of Security Interest at Reel/Frame 60848/0381
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STANDARD CHARTERED BANK	03/11/2025
<b>RECEIVING PARTY DATA</b>	
<b>Company Name:</b>	NOVELIS INC.
<b>Street Address:</b>	3550 Peachtree Road
<b>Internal Address:</b>	Suite 1100
<b>City:</b>	Atlanta
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30326
<b>Company Name:</b>	NOVELIS KOBLENZ GMBH
<b>Street Address:</b>	Carl-Spaeter-Str. 10
<b>City:</b>	Koblenz
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	56070
<b>PROPERTY NUMBERS Total: 11</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	7648776
<b>Application Number:</b>	16973920
<b>Application Number:</b>	16973980
<b>Application Number:</b>	17250038
<b>Application Number:</b>	17250070
<b>Application Number:</b>	17250786
<b>Application Number:</b>	17277436
<b>Application Number:</b>	17595490
<b>Application Number:</b>	17632357
<b>Application Number:</b>	17753079
<b>Application Number:</b>	17753337
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	2127352000
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent</i>	
<b>PATENT</b>	

*using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 2127352811  
**Email:** mrribando@skadden.com  
**Correspondent Name:** Monique L Ribando  
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**Address Line 4:** New York, NEW YORK 10001-8602

<b>ATTORNEY DOCKET NUMBER:</b>	083610/20
<b>NAME OF SUBMITTER:</b>	Ms. MONIQUE RIBANDO
<b>SIGNATURE:</b>	/Ms. MONIQUE RIBANDO/
<b>DATE SIGNED:</b>	03/13/2025

**Total Attachments: 17**

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## EXECUTION VERSION

### PATENT SECURITY RELEASE AGREEMENT (Novelis Inc. and Novelis Koblenz)

This PATENT SECURITY RELEASE AGREEMENT, dated as of March 11, 2025 (this “Release”), by STANDARD CHARTERED BANK, being a company incorporated in England by Royal Charter, with reference number ZC18 and whose registered office is 1 Basinghall Avenue, London EC2V 5DD, in its capacity as collateral agent pursuant to the Credit Agreement (in such capacity, the “Assignor”), in favor of NOVELIS INC. (“Novelis Inc.”), a corporation formed under the Canada Business Corporations Act, having its business address at 3550 Peachtree Road, Suite 1100, Atlanta, GA 30326 and NOVELIS KOBLENZ GMBH (“Novelis Koblenz”), a limited liability company (Gesellschaft mit beschränkter Haftung) organized under the laws of Germany, having its business address at Carl-Spaeter-Str. 10, 56070 Koblenz, Germany which is registered in the commercial register (Handelsregister) at the local court (Amtsgericht) of Koblenz under HRB 4239 (each of Novelis Inc. and Novelis Koblenz, an “Assignee,” and collectively, the “Assignees”).

### W I T N E S S E T H:

WHEREAS, the Assignor and the Assignees, amongst others, are parties to that certain Security Agreement, dated as of January 13, 2017 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”);

WHEREAS, pursuant to the Security Agreement, (i) the Assignor and Novelis Inc. are parties to a Patent Security Agreement dated as of January 13, 2017 and recorded with U.S. Patent and Trademark Office (“PTO”) at Reel/Frame 41389/0077, (ii) the Assignor and the Assignees are parties to a Patent Security Agreement dated as of January 19, 2022 and recorded with PTO at Reel/Frame 58711/0922, (iii) the Assignor and Novelis Koblenz are parties to a Patent Security Agreement dated as of August 18, 2022 and recorded with PTO at Reel/Frame 60848/0381, and (iv) the Assignor and Novelis Inc. are parties to a Patent Security Agreement dated as of September 1, 2022 and recorded with the PTO at Reel/Frame 60967/0204 (collectively, the “Patent Security Agreements”);

WHEREAS, pursuant to the Patent Security Agreements, as collateral security for the payment and performance in full of all the Secured Obligations, each Assignee pledged and granted to the Assignor for the benefit of the Secured Parties, a lien on and security interest in all of the right, title and interest of such Assignee in, to and under the following property, wherever located, and whether then existing or thereafter arising or acquired from time to time (collectively, the “Patent Collateral”):

(a) all patents, patent applications, certificates of inventions, industrial designs and rights corresponding thereto throughout the world (whether established or registered or recorded in Canada, the United States or any other country or any political subdivision thereof), together with any and all (i) rights and privileges arising under applicable law with respect to any of the foregoing, (ii) inventions and improvements described and claimed therein, (iii) reissues, divisions, continuations, renewals, extensions and continuations-in-part thereof and amendments thereto, (iv) income, fees, royalties, damages, claims and payments then or thereafter due and/or payable thereunder and with respect thereto including damages and payments for past, present or future infringements or other violations thereof, (v) rights corresponding thereto throughout the world and (vi) rights to sue for past, present or future infringements or other

violations thereof (collectively, “Patents”) of such Assignee, including, without limitation, the registered and applied-for Patents of such Assignee listed on Schedule I attached thereto; and

(b) all Proceeds and products of each of the foregoing and all accessions to, substitutions and replacements for, and rents, profits and products of, each of the foregoing, and any and all Proceeds of any insurance, indemnity, warranty or guaranty payable to such Assignee from time to time with respect to any of the foregoing.

NOW, THEREFORE, in consideration of the foregoing premises and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby agrees as follows:

SECTION 1. Defined Terms. Capitalized terms used herein but not otherwise defined herein shall have the meanings given to them in the Security Agreement or Patent Security Agreements, as applicable.

SECTION 2. Release of Security Interest in Patent Collateral. The Assignor, without recourse, representation or warranty of any kind or nature, and at the Assignees’ sole cost and expense, hereby terminates, cancels and releases its lien on and security interest in all of the right, title and interest of each Assignee in, to and under the Patent Collateral, including the Patents listed on Schedule I hereto, and any and all right, title and interest of the Assignor in the Patent Collateral shall hereby terminate, cease and become void.

SECTION 3. Recordation. The Assignor hereby authorizes each Assignee, or such Assignee’s authorized representative, to record this Release with the PTO.

SECTION 4. Governing Law. This Release shall be construed in accordance with and governed by the law of the State of New York, without regard to conflicts of law principles that would require the application of the laws of another jurisdiction.

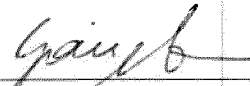
SECTION 5. Execution. Delivery of an executed signature page of this Release by facsimile, email or other electronic transmission (including in pdf format or other similar format) shall be effective as delivery of a manually executed signature page of this Release.

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IN WITNESS WHEREOF, the Assignor has caused this Release to be executed and delivered by its duly authorized officer as of the date first above written.

STANDARD CHARTERED BANK,  
as Assignor

By: \_\_\_\_\_



Name: Gian Moreira

Title: Director

## SCHEDULE I

Reel/Frame 41389/0077

TITLE	APP NUMBER	PATENT NUMBER	ASSIGNEE(S)
ALUMINUM ALLOY SHEET AND METHOD FOR MANUFACTURING THE SAME	13/489,709	8,691,031	Nippon Light Metal Co., Ltd.; Honda Motor Co., Ltd.; Novelis Inc.
APPARATUS FOR DE-GASSING MOLTEN METAL	08/855,629	5,846,479	Novelis Inc.
ROTARY GAS DISPERSION DEVICE FOR TREATING A LIQUID ALUMINIUM BATH	09/171,964	6,060,013	Novelis Inc.
INERT TANK FOR TREATING OXIDABLE LIQUID METAL	09/462,083	6,331,269	Novelis Inc.
TILTING TANK FOR PROCESSING LIQUID METAL AND DEVICE FOR SEALED CONNECTION WITH FIXED CHUTE	09/806,497	6,576,184	Novelis Inc.
ROLL FOR THE CONTINUOUS CASTING OF METAL STRIPS COMPRISING A COOLING CIRCUIT	09/680,459	6,527,042	Novelis Inc.
DEVICE FOR THE IN-LINE TREATMENT OF LIQUID METAL BY MEANS OF GAS AND FILTRATION	10/514,165	7,648,674	Novelis Inc.
DEVICE FOR INJECTING A TREATMENT GAS INTO A MOLTEN METAL	10/524,119	7,364,690	Novelis Inc.
ALUMINIUM ALLOY SHEET WITH ROUGHENED SURFACE	10/483,684	8,012,333	Novelis Inc.
CONTROL OF HEAT FLUX IN CONTINUOUS METAL CASTERS	09/664,301	6,470,959	Novelis Inc.
CONTROL OF HEAT FLUX IN CONTINUOUS METAL CASTERS	10/209,071	6,725,904	Novelis Inc.
HEAT EXCHANGER	09/051,735	6,408,938	Novelis Inc.
TREATING ALUMINUM WORKPIECES	09/202,252	6,267,870	Novelis Inc.

PROCESS OF PRODUCING ALUMINUM SHEET ARTICLES	09/036,649	6,086,690	Novelis Inc.
ALUMINUM ALLOY COMPOSITION AND METHOD OF MANUFACTURE	09/381,882	6,350,532	Novelis Inc.
PROCESS OF PRODUCING ALUMINUM ALLOY SHEET EXHIBITING REDUCED ROPING EFFECTS	09/024,849	6,120,623	Novelis Inc.
PROCESS OF MANUFACTURING HIGH STRENGTH ALUMINUM FOIL	09/622,488	6,533,877	Novelis Inc.
HIGH CONDUCTIVITY ALUMINUM FIN ALLOY	09/121,638	6,592,688	Novelis Inc.
BELT-COOLING AND GUIDING MEANS FOR CONTINUOUS BELT CASTING OF METAL STRIP	09/633,584	6,755,236	Novelis Inc.
BELT-COOLING AND GUIDING MEANS FOR CONTINUOUS BELT CASTING OF METAL STRIP	10/846,423	6,910,524	Novelis Inc.
PROCESS FOR MAKING ALUMINUM ALLOY SHEET HAVING EXCELLENT BENDABILITY	10/138,844	6,780,259	Novelis Inc.
PROCESS FOR MAKING ALUMINUM ALLOY SHEET HAVING EXCELLENT BENDABILITY	10/863,557	7,029,543	Novelis Inc.
A WORK ROLL	10/311,650	7,200,935	Novelis Inc.
A METHOD OF MAKING ALUMINIUM FOIL FOR FINS	10/297,941	7,172,664	Novelis Inc.
PROCESS OF PRODUCING ALUMINUM FIN ALLOY	09/489,119	6,165,291	Novelis Inc.
HIGH THERMAL CONDUCTIVITY ALUMINUM FIN ALLOYS	09/489,082	6,238,497	Novelis Inc.
STORAGE AND TRANSPORTATION OF ALUMINIUM STRIP	10/433,499	7,497,402	Novelis Inc.
BELT CASTING OF NON-FERROUS AND LIGHT METALS AND APPARATUS THEREFOR	10/574,459	7,380,583	Novelis Inc.
PRODUCTION OF HIGH STRENGTH ALUMINUM ALLOY FOILS	09/782,797	6,531,006	Novelis Inc.
BELT CASTING MACHINE HAVING ADJUSTABLE CONTACT LENGTH WITH CAST METAL SLAB	11/724,449	7,823,623	Novelis Inc.
WINDING TUBE AND METHOD FOR THE PRODUCTION THEREOF	10/467,206	7,040,569	Novelis Inc.
METHOD AND APPARATUS FOR TEXTURING A METAL SHEET OR STRIP	10/471,617	7,516,637	Novelis Inc.

METHODS OF AND APPARATUS FOR PRESSURE-RAM-FORMING METAL CONTAINERS AND THE LIKE	10/284,912	6,802,196	Novelis Inc.
METHODS OF AND APPARATUS FOR PRESSURE-RAM-FORMING METAL CONTAINERS AND THE LIKE	10/788,636	7,107,804	Novelis Inc.
AI ALLOY FOR LITHOGRAPHIC SHEET	10/488,848	7,789,978	Novelis Inc.
SYSTEM FOR PROVIDING CONSISTENT FLOW THROUGH MULTIPLE PERMEABLE PERIMETER WALLS IN A CASTING MOLD	09/620,110	6,609,557	Novelis Inc.
SYSTEM FOR PROVIDING CONSISTENT FLOW THROUGH MULTIPLE PERMEABLE PERIMETER WALLS IN A CASTING MOLD	10/461,631	6,808,009	Novelis Inc.
CASTING OF MOLTEN METAL IN AN OPEN-ENDED MOLD CAVITY	08/954,784	6,158,498	Novelis Inc.
METHOD OF PRODUCING CLAD METAL PRODUCTS	11/361,881	7,250,221	Novelis Inc.
HEATED TROUGH FOR MOLTEN METAL	10/735,075	6,973,955	Novelis Inc.
SEQUENTIAL CASTING OF METALS HAVING HIGH CO-EFFICIENTS OF CONTRACTION	11/712,672	7,748,434	Novelis Inc.
METHOD FOR CASTING COMPOSITE INGOT	10/875,978	7,472,740	Novelis Inc.
METHOD FOR CASTING COMPOSITE INGOT	12/291,820	7,819,170	Novelis Inc.
COMPOSITE METAL AS CAST INGOT	12/807,740	8,415,025	Novelis Inc.
METHOD FOR CASTING COMPOSITE INGOT	12/807,739	8,312,915	Novelis Inc.
COMPOSITE METAL INGOT	13/648,002	8,927,113	Novelis Inc.
HOMOGENIZATION AND HEAT-TREATMENT OF CAST METALS	11/588,517	7,516,775	Novelis Inc.
HOMOGENIZATION AND HEAT-TREATMENT OF CAST METALS	12/380,487	7,871,478	Novelis Inc.
HOMOGENIZATION AND HEAT-TREATMENT OF CAST METALS	12/927,519	8,458,887	Novelis Inc.
HOMOGENIZATION AND HEAT-TREATMENT OF CAST METALS	13/649960	9073115	Novelis Inc.
SURFACE TEXTURING OF CASTING BELTS OF CONTINUOUS CASTING MACHINES	10/574,414	7,448,432	Novelis Inc.
ELECTRODE CONFIGURATION FOR LIMCA	11/067,768	7,459,896	Novelis Inc.
ELECTRODE CONFIGURATION FOR LIMCA	12/290,257	8,928,306	Novelis Inc.
ELECTRODE CONFIGURATION FOR LIMCA	14/501614	9140661	Novelis Inc.



METHOD AND APPARATUS FOR STARTING AND STOPPING A HORIZONTAL CASTING MACHINE	10/735,074	7,004,229	Novelis Inc.
HORIZONTAL CONTINUOUS CASTING OF METALS	10/735,076	7,077,186	Novelis Inc.
APPARATUS AND METHOD FOR HORIZONTAL CASTING AND CUTTING OF METAL BILLETS	10/735,077	7,028,750	Novelis Inc.
METHOD FOR SUPPRESSING REACTION OF MOLTEN METALS WITH REFRACTORY MATERIALS	11/827,693	7,608,302	Novelis Inc.
ROLL EMBOSSING OF DISCRETE FEATURES	11/293,424	7,353,681	Novelis Inc.
ROLL EMBOSSING OF DISCRETE FEATURES	11/982,607	7,624,609	Novelis Inc.
SELF-ANNEALING ENCLOSURE	10/931,137	7,485,255	Novelis Inc.
METHOD OF IMPARTING NON-STICK PROPERTY TO METAL SURFACE	11/471,171	7,547,463	Novelis Inc.
APPARATUS AND METHOD FOR CLEANING REGENERATIVE BURNER MEDIA BED	11/259617	9033700	Novelis Inc.
METHODS OF AND APPARATUS FOR FORMING HOLLOW METAL ARTICLES	11/125,565	7,191,032	Novelis Inc.
CLADDING SUPERPLASTIC ALLOYS	11/786,840	7,762,310	Novelis Inc.
CLADDING INGOT TO PREVENT HOT-TEARING	11/703,029	7,617,864	Novelis Inc.
CLADDING INGOT TO PREVENT HOT-TEARING	12/587,368	7,789,124	Novelis Inc.
CO-CASTING OF METALS BY DIRECT CHILL CASTING	12/072,029	7,975,752	Novelis Inc.
SEQUENTIAL CASTING OF METALS HAVING SIMILAR FREEZING RANGES	12/462,224	8,096,344	Novelis Inc.
SEQUENTIAL CASTING OF METALS HAVING THE SAME OR SIMILAR CO-EFFICIENTS OF CONTRACTION	12/220,954	7,882,887	Novelis Inc.
SIDE WELL FOR METAL MELTING FURNACE	12/924,580	8,420,008	Novelis Inc.
AUTOMOBILE BODY PART	13/055,910	8,940,406	Novelis Inc.
SOLAR ENERGY ABSORBER UNIT AND SOLAR ENERGY DEVICE CONTAINING SAME	13/328,394	9127860	Novelis Inc.
OXIDE RESTRAINT DURING CO-CASTING OF METALS	12/454,655	8,336,603	Novelis Inc.

CLAD METAL SHEET AND HEAT EXCHANGER TUBING ETC. MADE THEREFROM	12/653,894	8,349,470	Novelis Inc.
CONTINUOUS CASTING APPARATUS FOR CASTING STRIP OF VARIABLE WIDTH	12/661,861	8,579,012	Novelis Inc.
STATIONARY SIDE DAM FOR CONTINUOUS CASTING APPARATUS	12/661,862	8,122,938	Novelis Inc.
METHOD AND APPARATUS FOR MEASURING SEPARATION OF CASTING SURFACES	12/802,517	8,210,236	Novelis Inc.
MOVABLE SWEAT HEARTH FOR METAL MELTING FURNACE	12/806,939	8,414,825	Novelis Inc.
ALUMINIUM LITHOGRAPHIC SHEET	13/318,113	8,961,870	Novelis Inc.
METHOD OF FORMING SEALED REFRACTORY JOINTS IN METAL-CONTAINMENT VESSELS, AND VESSELS CONTAINING SEALED JOINTS	12/928,353	9375784	Novelis Inc.
COMPRESSIVE ROD ASSEMBLY FOR MOLTEN METAL CONTAINMENT STRUCTURE	12/928,355	8,945,465	Novelis Inc.
MOLTEN METAL LEAKAGE CONFINEMENT AND THERMAL OPTIMIZATION IN VESSELS USED FOR CONTAINING MOLTEN METALS	13/066,474	8,657,164	Novelis Inc.
MOLTEN METAL LEAKAGE CONFINEMENT AND THERMAL OPTIMIZATION IN VESSELS USED FOR CONTAINING MOLTEN METALS	14/149,903	9297584	Novelis Inc.
MOLTEN METAL CONTAINMENT STRUCTURE HAVING MOVABLE COVER	12/930,561	8,883,071	Novelis Inc.
CASTING COMPOSITE INGOT WITH METAL TEMPERATURE COMPENSATION	12/931,724	8,418,748	Novelis Inc.
FLOW CONTROL APPARATUS FOR MOLTEN METAL	13/066,486	8,580,186	Novelis Inc.
MOLTEN METAL CONTAINMENT STRUCTURE HAVING FLOW THROUGH VENTILATION	12/928,354	8,883,070	Novelis Inc.
REVERSE FLOW REGENERATIVE APPARATUS AND METHOD	13/335,090	9,017,065	Novelis Inc.
ELIMINATION OF SHRINKAGE CAVITY IN CAST INGOTS	13/333,469	8,347,949	Novelis Inc.
METHOD AND APPARATUS FOR REMOVING COOLANT LIQUID FROM MOVING METAL STRIP	13/421,266	8,961,864	Novelis Inc.

REDUCTION OF BUTT CURL BY PULSED WATER FLOW IN DC CASTING	13/421,350	8,365,807	Novelis Inc.
METAL PALLET AND METHOD OF MAKING SAME	13/134,835	8,418,630	Novelis Inc.
METHOD OF AND APPARATUS FOR CASTING METAL SLAB	13/765,500	8,662,145	Novelis Inc.
METHOD OF AND APPARATUS FOR CASTING METAL SLAB	14/105,943	8,813,826	Novelis Inc.
IN-SITU HOMOGENIZATION OF DC CAST METALS WITH ADDITIONAL QUENCH	13/765,490	8,813,827	Novelis Inc.
INTERMITTENT MOLTEN METAL DELIVERY	14/205,183	9192988	Novelis Inc.
INTERMITTENT MOLTEN METAL DELIVERY	14/693610	9314840	Novelis Inc.
METHODS OF AND APPARATUS FOR MEASURING METAL CLEANLINESS	14/203,257	9389164	Novelis Inc.
MANUFACTURING METHODS AND APPARATUS FOR TARGETED COOLING IN HOT METAL ROLLING	14/201,303	9180506	Novelis Inc.
ALUMINUM SHEET WITH TERRACOTTA SURFACE ORNAMENTATION	29/507,067	D767285	Novelis Inc.
ALUMINUM SHEET WITH TERRACOTTA SURFACE ORNAMENTATION	29/507,054	D767284	Novelis Inc.
BEVERAGE CAN END WITH LARGE OPENING APERTURE	29/510,674	D770895	Novelis Inc.
PROCESS AND DEVICE FOR COOLING AN ARTICLE	08/955,286	5,902,543	Novelis Inc.
AUTOMOBILE BODY PART	13/467,328	9085328	Novelis Inc.
AUTOMOBILE BODY PART	14/027,718	9242678	Novelis Inc.
CASTING OF MOLTEN METAL IN AN OPEN-ENDED MOLD CAVITY	09/693,494	6,546,995	Novelis Inc.
METHODS OF PRESSURE FORMING METAL CONTAINERS AND THE LIKE FROM PREFORMS HAVING WALL THICKNESS GRADIENT	12/930,557	8,683,837	Novelis Inc.; Montebello Packaging, A Division of Great Pacific Enterprises, L.P.
PROCESS FOR PRODUCING AN ALUMINUM ALLOY SHEET	09/508,172	6,248,193	Novelis Inc.; Nippon Light Metal Co., Ltd.; Honda Giken Kogyo Kabushiki Kaisha

ALUMINUM ALLOY SHEET AND METHOD FOR MANUFACTURING THE SAME	11/572,832	8,425,698	Novelis Inc.; Nippon Light Metal Co., Ltd.; Honda Motor Co., Ltd.
CASTING OF MOLTEN METAL IN AN OPEN ENDED MOLD CAVITY	09/572,644	6,260,602	Novelis Inc.
AUTOMOBILE BODY PART	14546044	9193134	Novelis Inc.
METHODS OF AND APPARATUS FOR MEASURING METAL CLEANLINESS (LIMCA II)	15130530	9528956	Novelis Inc.
ELECTRODE CONFIGURATIONS FOR LIMCA	14826862	9476850	Novelis Inc.
MOLTEN METAL-CONTAINING VESSEL AND METHODS OF PRODUCING SAME	12928356	9498821	Novelis Inc.

**Patent Applications:**

TITLE	APP NUMBER	ASSIGNEES
SUPPORT AND COMPRESSION ASSEMBLIES FOR CURVILINEAR MOLTEN METAL TRANSFER DEVICE	14834323	Novelis Inc.
HIGH ORGANIC CONCURRENT DECOATING KILN	15307708	Novelis Inc.
BEVERAGE CAN END SCORE TOOLING	15/175,679	Novelis Inc.
ROLLING MILL THIRD OCTAVE CHATTER CONTROL BY PROCESS DAMPING	14800221	Novelis Inc.
PROCESS DAMPING OF SELF EXCITED THIRD OCTAVE MILL VIBRATION	14/800074	Novelis Inc.
HIGH STRENGTH ALUMINUM FIN STOCK FOR HEAT EXCHANGER	14909798	Novelis Inc.
PHOTO-ACOUSTIC DEVICE AND METHOD FOR NON-CONTACT MEASUREMENT OF THIN LAYERS	14/623,181	Novelis Inc.
HYBRID OIL AND WATER-COOLED ROLLING	14707460	Novelis Inc.
Edge Protection Bushing with Integrated Clamp	15116342	Novelis Inc.
ALLOYS FOR HIGHLY SHAPED ALUMINUM PRODUCTS AND METHODS OF MAKING THE SAME	14849698	Novelis Inc.
ALUMINUM ALLOY FOR HEAT EXCHANGER FINS	14/816280	Novelis Inc.
DE-STACKING PROCESS FOR THE SEPARATION OF LUBRICATED ALUMINUM SHEETS	14/592,543	Novelis Inc.
ALLOY FOR TABSTOCK AND CAN END	14749768	Novelis Inc.

FAST RESPONSE HEATERS AND ASSOCIATED CONTROL SYSTEMS USED IN COMBINATION WITH METAL TREATMENT FURNACES	15190683	Novelis Inc.
SHOCK HEAT TREATMENT OF ALUMINUM ALLOY ARTICLES	15145477	Novelis Inc.
SPLIT RING AND METHOD OF USING IMPROVED SPLIT RING TO ASSEMBLE A ROLL	14/609,535	Novelis Inc.
WATER-BASED COATING COMPOSITIONS AND RELATED PRODUCTS AND PROCESSES	15091168	Novelis Inc.
REDUCED AGING TIME OF 7XXX SERIES ALLOY	PCT/US15/6459 7	Novelis Inc.
REDUCED AGING TIME OF 7XXX SERIES ALLOYS	14963318	Novelis Inc.
ALUMINUM ALLOY PRODUCTS AND A METHOD OF PREPARATION	14924956	Novelis Inc.
HIGHLY FORMABLE AUTOMOTIVE ALUMINUM SHEET WITH REDUCED OR NO SURFACE ROPING AND A METHOD OF PREPARATION	14993653	Novelis Inc.
ALUMINUM ALLOYS FOR HIGHLY SHAPED PACKAGING PRODUCTS AND METHODS OF MAKING THE SAME	15067276	Novelis Inc.
ALUMINUM ALLOY SUITABLE FOR THE HIGH SPEED PRODUCTION OF ALUMINUM BOTTLE AND THE PROCESS OF MANUFACTURING THEREOF	14974661	Novelis Inc.
NON-CONTACT MAGNETIC STEERING	15/176885	Novelis Inc.
CONTINUOUS COIL PRETREATMENT PROCESS	15142384	
HIGH STRENGTH 5XXX ALUMINUM ALLOYS AND METHODS OF MAKING THE SAME	15172573	Novelis, Inc.
PRETREATMENT OF METAL SURFACES WITH A CALCIUM-CONTAINING AQUEOUS AGENT	PCT/us15/6444 9	Novelis, Inc.
PRETREATMENT OF METAL SURFACES WITH A CALCIUM-CONTAINING AQUEOUS AGENT	14962375	Novelis Inc.
HOMOGENIZATION AND HEAT TREATMENT OF CAST METALS	14730610	Novelis Inc.
ALUMINUM FIN ALLOY AND METHOD OF MAKING THE SAME	13/708,644	Novelis Inc.
METHOD OF FORMING SEALED REFRACTORY JOINTS IN METAL-CONTAINMENT VESSELS, AND VESSELS CONTAINING SEALED JOINTS	15164100	Novelis Inc.
MOLTEN METAL LEAKAGE CONFINEMENT AND THERMAL OPTIMIZATION IN VESSELS USED FOR CONTAINING MOLTEN METALS	15048229	Novelis Inc.
ALUMINIUM ALLOY	14/356,992	Novelis Inc.

CORROSION-RESISTANT BRAZING SHEET PACKAGE	14/206,133	Novelis Inc.
BRAZING SHEET CORE ALLOY FOR HEAT EXCHANGER	14/206,058	Novelis Inc.
IN-SITU HOMOGENIZATION OF DC CAST METALS WITH ADDITIONAL QUENCH	14/333,314	Novelis Inc.
CLAD SHEET ALLOYS FOR BRAZING APPLICATIONS	14/211,612	Novelis Inc.
CLAD SHEET ALLOYS FOR BRAZING APPLICATIONS	14/211,760	Novelis Inc.
MAGNETIC PUMP INSTALLATION	14/202,090	Novelis Inc.
MAGNETIC PUMP INSTALLATION	14/202,123	Novelis Inc.
FLATNESS OF A ROLLED STRIP	14/197,718	Novelis Inc.
ROLLED SURFACES HAVING A DULLED GLOSS FINISH	14/204,331	Novelis Inc.
HIGH STRENGTH ALUMINUM ALLOY FIN MATERIAL AND PRODUCTION METHOD THEREOF	14423163	Novelis Inc., Denso Corporation, Nippon Light Metal Co.
MEASURING THERMAL EXPANSION AND THE THERMAL CROWN OF ROLLS	14/203,695	Novelis Inc.
METHODS OF AND APPARATUS FOR DETERMINING PARTICLE INCLUSION AND SIZE IN MOLTEN METAL	14/203,335	NOVELIS INC.
HIGH STRENGTH ALUMINUM FIN STOCK FOR HEAT EXCHANGER	14/454,208	Novelis Inc.; Denso International America, Inc.
MIXING EDUCTOR NOZZLE AND FLOW CONTROL DEVICE	14719100	Novelis Inc.
NON-CONTACTING MOLTEN METAL FLOW CONTROL	14719050	
AUTOMOBILE AUTO PART	14972646	NOVELIS INC.
MOLTEN METAL-CONTAINING VESSEL, AND METHODS OF PRODUCING SAME	15254397	NOVELIS INC.
MAGNETIC PUMP INSTALLATION	15187905	NOVELIS INC.

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OWNER	PATENT NUMBER	ISSUE DATE	TITLE
Novelis Inc.	10994317	2021-05-04	Method and Apparatus for Controlling Metal Strip Profile During Rolling with Direct Measurement of Process Parameters
Novelis Inc.	11125271	2021-09-21	Non-Contact Magnetic Steering
Novelis Inc.	11065843	2021-07-20	Multi-Layered Finishes for Can Ends
Novelis Inc.	10995397	2021-05-04	Aluminum Alloys and Methods of Making the Same
Novelis Inc.	10975461	2021-04-13	Casting Recycled Aluminum Scrap
Novelis Inc.	11072843	2021-07-27	Systems and Methods for Non-Contact Tensioning of a Metal Strip
Novelis Inc.	11007557	2021-05-18	Systems and Methods for Removing Viscous Materials in Metal Article Processing
Novelis Inc.	11118253	2021-09-14	Reactive Quenching Solutions and Methods of Use
Novelis Inc.	11123749	2021-09-21	Systems and Methods for Sorting Material on a Conveyor

OWNER	APPLICATION NUMBER	FILING DATE	TITLE
Novelis Inc.	63/199229	12/15/2020	Modified Metal Foil Capacitors and Methods for Making Same
Novelis Inc.	63/183700	5/4/2021	Infiltration and Drying Under Pressure for Conductive Polymer Coating on Porous Substrates
Novelis Inc.	17/450796	2021-10-13	Aluminum Alloy Products and a Method of Preparation
Novelis Inc.	17/224,361	2021-04-07	Method and Apparatus for Controlling Metal Strip Profile During Rolling with Direct Measurement of Process Parameters
Novelis Inc.	17/445205	2021-08-17	Non-Contact Magnetic Steering
Novelis Inc.	17/352511	2021-06-21	Systems and Methods for Non-Contact Tensioning of a Metal Strip
Novelis Inc.	17/309367	2021-05-21	Redraw and Ironing System
Novelis Inc.	63/260937	2021-09-07	Systems and Methods for Producing Texturized Casting Molds of a Continuous Belt Caster
Novelis Inc.	63/195731	2021-06-02	Nosetip Design for High-Performance Continuous Casting
Novelis Inc.	63/253241	2021-10-07	Locally Reinforced Aluminum and Aluminum Alloy Products and Methods of Making the Same
Novelis Inc.	63/250806	2021-09-30	Systems and Methods for Forming a Double Dome Container
Novelis Inc.	63/248171	2021-09-24	Advanced Cash Lines Simultaneous Solution Heat Treat and Surface Treatment (SHST)

Novelis Inc.	17/305351	2021-07-06	Metal Joiner System, Associated Methods, and Products
Novelis Inc.	63/263092	2021-10-27	Systems and Methods for Rapid Substrate Cooling
Novelis Inc.	63/172499	2021-04-08	Primary Beverage Container with Temperature Control
Novelis Inc.	63/178313	2021-04-22	Crazing Resistant Can End Stock
Novelis Inc.	63/190852	2021-05-20	Bottom Block for Direct Chill Casting
Novelis Inc.	63/202408	2021-06-10	Continuous Rapid Metal Sorting via Machine-Readable Marking
Novelis Inc.	63/261042	2021-09-09	Aluminum Alloy Article Having Low Roping and Methods of Making the Same
Novelis Inc.	63/178323	2021-04-22	Laminated Can End Stock
Novelis Inc.	63/174076	2021-04-13	Contactless Looper for Metal Processing and Related Methods
Novelis Inc.	63/261216	2021-09-15	Aluminum-Based Anode for Lithium Ion Batteries
Novelis Inc.	63/183700	2021-05-04	Infiltration and Drying Under Pressure for Conductive Polymer Coating on Porous Substrates
Novelis Inc.	63/177129	2021-04-20	Roll Steering Control Systems and Methods for Tandem Mills
Novelis Inc.	63/224005	2021-07-21	Container End Closure Sealing Liner and Methods of Preparing the Same
Novelis Inc.	63/263052	2021-10-26	Heat Treated Aluminum Sheets and Processes for Making
Novelis Inc.	63/262761	2021-10-20	Thermal Assisted SPR for High Strength 7xxx Aluminum
Novelis Koblenz GmbH	17/447341	2021-09-10	Method and Device for Casting Metal Alloy Ingots
Novelis Koblenz GmbH	17/292901	2021-05-11	7xxx-Series Aluminium Alloy Product
Novelis Koblenz GmbH	17/310194	2021-07-26	Method of Manufacturing a Brazing Sheet Product
Novelis Koblenz GmbH	17/422042	2021-07-09	Method of Manufacturing an ALMGSC-Series Alloy Product
Novelis Koblenz GmbH	17/421933	2021-07-09	7xxx-Series Aluminium Alloy Product
Novelis Koblenz GmbH	63/224618	2021-07-22	Armour Component Produced From a 7xxx-Series Aluminium Alloy



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<b>Owner Name</b>	<b>App. No.</b>	<b>Patent No.</b>	<b>Title</b>
Novelis Koblenz GmbH (f/k/a Aleris Rolled Products Germany GmbH); Behr GmbH & Co. KG	11549054	7648776	Multi-Layered Brazing Sheet
Novelis Koblenz GmbH (f/k/a Aleris Rolled Products Germany GmbH)	16973920		Method of Manufacturing an AL-MG-MN Alloy Plate Product Having an Improved Corrosion Resistance
Novelis Koblenz GmbH (f/k/a Aleris Rolled Products Germany GmbH)	16973980		Method of Manufacturing a 7xxx-Series Aluminum Alloy Plate Product Having Improved Fatigue Failure Resistance
Novelis Koblenz GmbH (f/k/a Aleris Rolled Products Germany GmbH)	17250038		Brazed Heat Exchanger
Novelis Koblenz GmbH (f/k/a Aleris Rolled Products Germany GmbH)	17250070		Flux Cored Brazing Preforms
Novelis Koblenz GmbH (f/k/a Aleris Rolled Products Germany GmbH)	17250786		Aluminum Alloy Fin Stock Material
Novelis Koblenz GmbH (f/k/a Aleris Rolled Products Germany GmbH)	17277436		Method of Manufacturing a 2xxx-Series Aluminum Alloy Plate Product Having Improved Fatigue Failure Resistance
Novelis Koblenz GmbH (f/k/a Aleris Rolled Products Germany GmbH)	17595490		Clad 2xxx-Series Aerospace Product

Owner Name	App. No.	Patent No.	Title
Novelis Koblenz GmbH (f/k/a Aleris Rolled Products Germany GmbH)	17632357		Compact Aluminum Alloy Heat Treatment Method
Novelis Koblenz GmbH (f/k/a Aleris Rolled Products Germany GmbH)	17753079		Clad 2xxx-Series Aerospace Product
Novelis Koblenz GmbH (f/k/a Aleris Rolled Products Germany GmbH)	17753337		Clad 2xxx-Series Aerospace Product

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Owner Name	Jurisdiction	App. Number	Pat. Number	Title
Novelis Inc.	United States of America	15/212521	10662514	AA6XXX Aluminum Alloy Sheet with High Anodized Quality and Method for Making Same
Novelis Inc.	United States of America	14/849698	9909199	Alloys for Highly Shaped Aluminum Products and Methods of Making the Same
Novelis Inc.	United States of America	15/874146	10947613	Alloys for Highly Shaped Aluminum Products and Methods of Making the Same
Novelis Inc.	United States of America	15141694	9926619	Aluminum Alloy
Novelis Inc.	United States of America	11/572832	8425698	Aluminum alloy sheet and method for manufacturing the same
Novelis Inc.	United States of America	13/489709	8691031	Aluminum alloy sheet and method for manufacturing the same
Novelis Inc.	United States of America	15067276	10006108	Aluminum Alloys for Highly Shaped Packaging Products and Methods of Making the Same
Novelis Inc.	United States of America	13/708644	9719156	Aluminum Fin Alloy and Method of Making the Same
Novelis Inc.	United States of America	14972839	10604826	Aluminum Microstructure for Highly Shaped Products and Associated Methods
Novelis Inc.	United States of America	29/507067	D767285	Aluminum Sheet with Terracotta Sur-face Ornamentation
Novelis Inc.	United States of America	29/507054	D767284	Aluminum Sheet with Terracotta Sur-face Ornamentation
Novelis Inc.	United States of America	15634199	10538833	Anodized-Quality Aluminum Alloys and Related Products and Methods
Novelis Inc.	United States of America	11/259617	9033700	Apparatus and Method for Cleaning Regenerative-Burner Media Bed

Owner Name	Jurisdiction	App. Number	Pat. Number	Title
Novelis Inc.	United States of America	10/735077	7028750	Apparatus and Method for Horizontal Casting and Cutting of Metal Billets
Novelis Inc.	United States of America	13/467328	9085328	Automobile Body Part
Novelis Inc.	United States of America	14/027718	9242678	Automobile Body Part
Novelis Inc.	United States of America	14972646	9731772	Automobile Body Part
Novelis Inc.	United States of America	11/724449	7823623	Belt Casting Machine Having Adjustable Contact Length with Cast Metal Slab
Novelis Inc.	United States of America	10/574459	7380583	Belt Casting of Non-Ferrous and Light Metals and Apparatus Therefor
Novelis Inc.	United States of America	15/999068	10906093	Belt Casting Path Control