

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST IN PATENTS AT R/F 053281/0380

CONVEYING PARTY DATA

Name	Execution Date
CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, AS COLLATERAL AGENT	06/09/2021

RECEIVING PARTY DATA

Name:	ECO SERVICES OPERATIONS CORP.
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State/Country:	NEW JERSEY
Postal Code:	08512

PROPERTY NUMBERS Total: 2

Property Type	Number
Patent Number:	6818799
Patent Number:	7034193

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DATE SIGNED:	06/10/2021

Total Attachments: 6

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RELEASE OF SECURITY INTEREST IN PATENTS

This RELEASE OF SECURITY INTEREST IN PATENTS (this “Release”), dated as of June 9, 2021 (the “Effective Date”), is made by CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, as collateral agent for the Secured Parties (in such capacity, the “Collateral Agent”) in favor of PQ CORPORATION, a Pennsylvania corporation, POTTERS INDUSTRIES, LLC, a Delaware limited liability company, and ECO SERVICES OPERATIONS CORP., a Delaware corporation (each a “Grantor” and collectively, the “Grantors”). All capitalized terms used, but not otherwise defined herein, shall have the respective meanings ascribed to them in the Patent Security Agreement (whether defined therein or by reference to another agreement).

WHEREAS, pursuant to that certain Term Loan Pledge and Security Agreement among the Grantors, the other Loan Parties party thereto, and the Collateral Agent, dated as of July 22, 2020 (as may have been amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”), the Grantors executed and delivered that certain Patent Security Agreement, dated as of July 22, 2020 (the “Patent Security Agreement”), which was recorded with the United States Patent and Trademark Office (“USPTO”) on July 22, 2020 at Reel/Frame 053281/0380 (with respect to Eco Services), at Reel/Frame 053281/0538 (with respect to Potters Industries), and at Reel/Frame 053281/0474 (with respect to PQ Corp.);

WHEREAS, pursuant to the Security Agreement and the Patent Security Agreement, each Grantor pledged, collaterally assigned, mortgaged, transferred and granted to the Collateral Agent, its successors and permitted assigns, on behalf of and for the ratable benefit of the Secured Parties, a continuing security interest (the “Security Interest”) in all of such Grantor’s right, title and interest in, to and under the following assets, whether than owned by or owing to, or thereafter acquired by or arising in favor of such Grantor: (a) any and all patents and patent applications, including those patents and pending applications in the USPTO which are listed on Schedule I hereto; (b) all inventions described and claimed therein; (c) all reissues, divisions, continuations, renewals, extensions and continuations in part thereof; (d) all income, royalties, damages, claims, and payments then or thereafter due or payable under and with respect thereto, including, without limitation, damages and payments for past, present and future infringements thereof; (e) all rights to sue for past, present, and future infringements thereof; and (f) all rights corresponding to any of the foregoing; in each case to the extent constituting Collateral (the “Patent Collateral”); and

WHEREAS, the Collateral Agent and the Grantors acknowledge that the requirements for releasing the Security Interest in the Patent Collateral have been met.

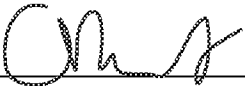
NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Collateral Agent, hereby (a) terminates and cancels the Patent Security Agreement, (b) releases, discharges, terminates and cancels the Security Interest in the Patent Collateral, and (c) re-assigns to each Grantor any right, title or interest it may have in the Patent Collateral of such Grantor, in each case without recourse to the Collateral Agent and without representation or warranty of any kind.

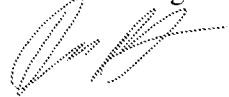
Each Grantor, or any successor to such Grantor (including any person or entity hereafter having any right, title or interest in or to the Patent Collateral of such Grantor), is hereby authorized to record this Release in the USPTO.

[Signature page follows]

IN WITNESS WHEREOF, the Collateral Agent has caused this Release to be executed and delivered by its duly authorized representative as of the Effective Date.

CREDIT SUISSE AG, CAYMAN ISLANDS
BRANCH, as Collateral Agent

By: 
Name: William O'Daly
Title: Authorized Signatory

By: 
Name: D. Andrew Maletta
Title: Authorized Signatory

SCHEDULE I

PATENTS

RECORD OWNER	PATENT NUMBER	DESCRIPTION
Eco Services Operations Corp.	6,818,799	PROCESS FOR REMOVING TAR FROM SPENT ACID
Eco Services Operations Corp.	7,034,193	METHOD FOR PURIFYING SPENT ACID
PQ Corporation	9,228,029	CATALYST SUPPORTS, CATALYSTS AND THEIR MANUFACTURE AND USE
PQ Corporation	7,229,655	COMPOSITION OF AND PROCESS FOR USING SILICA XEROGEL FOR BEER STABILIZATION
PQ Corporation	7,538,067	COMPOSITION OF AND PROCESS FOR USING SILICA XEROGEL FOR BEER STABILIZATION
PQ Corporation	10,384,162	HIGH SILICA CHABAZITE FOR SELECTIVE CATALYTIC REDUCTION, METHODS OF MAKING AND USING SAME
PQ Corporation	6,887,822	METHOD FOR MAKING SILICA SUPPORTED, CRUSH-RESISTANT CATALYSTS
PQ Corporation	6,641,796	METHOD FOR MAKING ZEOLITES AND ZEOLITE MIXTURES HAVING ENHANCED CATION EXCHANGE PROPERTIES
PQ Corporation	8,192,539	MIXTURES OF ZEOLITE AND RAP/RAS
PQ Corporation	8,512,659	NOVEL IRON-CONTAINING ALUMINOSILICATE ZEOLITES AND METHODS OF MAKING AND USING SAME
PQ Corporation	8,541,331	NOVEL IRON-CONTAINING ALUMINOSILICATE ZEOLITES AND METHODS OF MAKING AND USING THE SAME
PQ Corporation	7,645,718	NOVEL MICROPOROUS CRYSTALLINE MATERIAL COMPRISING A MOLECULAR SIEVE OR ZEOLITE HAVING AN 8-RING PORE OPENING STRUCTURE AND METHODS OF MAKING AND USING SAME

RECORD OWNER	PATENT NUMBER	DESCRIPTION
PQ Corporation	7,883,678	NOVEL MICROPOROUS CRYSTALLINE MATERIAL COMPRISING A MOLECULAR SIEVE OR ZEOLITE HAVING AN 8-RING PORE OPENING STRUCTURE AND METHODS OF MAKING AND USING SAME
PQ Corporation	7,141,232	PREPARATION OF MOLECULAR SIEVES INVOLVING SPRAY DRYING ¹
PQ Corporation	6,555,151	PROCESS FOR MAKING AND USING A LOW BEVERAGE SOLUBLE IRON CONTENT ADSORBENT AND COMPOSITION MADE THEREBY
PQ Corporation	6,521,208	PROCESS FOR PREPARING A MODIFIED ZEOLITE
PQ Corporation	10,100,602	SELF-PRESSURIZING SOLUBLE ALKALI SILICATE FOR USE IN SEALING SUBTERRANEAN SPACES ²
PQ Corporation	9,827,560	SMALL CRYSTAL FERRIERITE AND METHOD OF MAKING THE SAME
PQ Corporation	9,981,256	STABILIZED MICROPOROUS CRYSTALLINE MATERIAL, THE METHOD OF MAKING THE SAME, AND THE USE FOR SELECTIVE CATALYTIC REDUCTION OF NOX
PQ Corporation	9,517,458	STABILIZED MICROPOROUS CRYSTALLINE MATERIAL, THE METHOD OF MAKING THE SAME, AND THE USE FOR SELECTIVE CATALYTIC REDUCTION OF NOX
PQ Corporation	10,377,638	STABILIZED MICROPOROUS CRYSTALLINE MATERIAL, THE METHOD OF MAKING THE SAME, AND THE USE FOR SELECTIVE CATALYTIC REDUCTION OF NOX
PQ Corporation	9,458,023	USE OF AQUEOUS ALKALI ALUMINOSILICATE FOR PROFILE MODIFICATION, WATER CONTROL, AND STABILIZATION

¹ Co-owned with Chevron.

² Co-owned with BYK USA, Inc.

RECORD OWNER	PATENT NUMBER	DESCRIPTION
PQ Corporation	9,212,304	USE OF HIGH RATIO AQUEOUS ALKALI SILICATES IN DRILLING FLUIDS
PQ Corporation	7,550,404	WOOD POLYMER-ZEOLITE COMPOSITES
PQ Corporation	8,298,331	ZEOLITE AND WATER SLURRIES FOR ASPHALT CONCRETE PAVEMENT
PQ Corporation	8,518,369	ZEOLITE IMPREGNATED WITH TITANIUM DIOXIDE
PQ Corporation	9,308,521	ZEOLITE Y
Potters Industries, LLC	10,184,048	DISPENSER SYSTEM FOR MARKING A TRANSPORTATION CORRIDOR
Potters Industries, LLC	9,145,651	DURABLE, THICK WATERBORNE LATEX PAINT COMPOSITIONS FOR HIGHWAY MARKINGS
Potters Industries, LLC	7,449,503	GLASS MICROSPHERES WITH MULTIPLE BUBBLE INCLUSIONS
Potters Industries, LLC	7,045,475	HIGH REFRACTIVE INDEX GLASS BEADS FOR HIGH RETROREFLECTIVITY SURFACES
Potters Industries, LLC	7,654,770	HIGHWAY MARKING SPHERE DISPENSING APPARATUS
Potters Industries, LLC	7,846,994	INORGANIC MICROSPHERES
Potters Industries, LLC	9,309,637	METHOD FOR MARKING A TRANSPORTATION CORRIDOR
Potters Industries, LLC	10,266,704	METHOD FOR MARKING A TRANSPORTATION CORRIDOR
Potters Industries, LLC	9,222,230	POROUS SILICON OXIDE DRYING AGENTS FOR WATERBORNE LATEX PAINT COMPOSITIONS
Potters Industries, LLC	8,647,013	REFLECTIVE SUBSTRATE SURFACE SYSTEM, REFLECTIVE ASSEMBLY, AND METHOD OF IMPROVING THE VISIBILITY OF A SUBSTRATE SYSTEM
Potters Industries, LLC	8,840,956	RETROREFLECTIVE COATING AND METHOD FOR APPLYING A RETROREFLECTIVE COATING ON A STRUCTURE

PATENT APPLICATIONS

APPLICANT	APPLICATION NO.	DESCRIPTION
PQ Corporation	16/488,981	ARCHITECTURAL COATING COMPOSITION CONTAINING HIGH RATIO SOLUBLE SILICATES
PQ Corporation	16/901,395	CHABAZITE ZEOLITE SYNTHESIS WITH ORGANIC TEMPLATES
PQ Corporation	16/723,145	DIRECT SYNTHESIS OF METAL-CONTAINING CHA ZEOLITES
PQ Corporation	62/925,287	METHOD FOR PLUGGING AND ABANDONING OIL AND GAS WELLS*
PQ Corporation	16/168,356	NOVEL METAL-CONTAINING ZEOLITE BETA FOR NO _x REDUCTION AND METHODS OF MAKING THE SAME
PQ Corporation	14/132,801	PREPARATION OF SILICA-ALUMINA COMPOSITION
PQ Corporation	16/296,907	PRODUCTION OF HYDROTHERMALLY STABLE CHA ZEOLITES
PQ Corporation	16/398,465	PRODUCTION OF HYDROTHERMALLY STABLE CHA ZEOLITES

*Co-owned with Board of Regents, The University of Texas at Austin