

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT
CONVEYING PARTY DATA	
Name	Execution Date
O-N Minerals Company (f/k/a Global Stone Corporation)	07/31/2006
RECEIVING PARTY DATA	
Name:	JPMorgan Chase Bank, N.A., as Administrative Agent
Street Address:	P.O. Box 2558
City:	Houston
State/Country:	TEXAS
Postal Code:	77252
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	6113387
CORRESPONDENCE DATA	
Fax Number:	(212)455-2502
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(212) 455-7609
Email:	ksolomon@stblaw.com
Correspondent Name:	Kirstie Howard, Esq.
Address Line 1:	Simpson Thacher & Bartlett LLP
Address Line 2:	425 Lexington Avenue
Address Line 4:	New York, NEW YORK 10017
ATTORNEY DOCKET NUMBER:	509265/1218
NAME OF SUBMITTER:	Kirstie Howard
<p>Total Attachments: 5</p> <p>source=ONMCoPCA#page1.tif</p> <p>source=ONMCoPCA#page2.tif</p> <p>source=ONMCoPCA#page3.tif</p>	

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GRANT OF
SECURITY INTEREST IN PATENT RIGHTS

This GRANT OF SECURITY INTEREST IN PATENT RIGHTS ("Agreement"), effective as of July 31, 2006 is made by O-N Minerals Company (f/k/a Global Stone Corporation), an Ohio corporation, located at North Point Tower, 1001 Lakeside Ave, 15th Flr, Cleveland, Ohio 44114 (the "Obligor"), in favor of JP Morgan Chase Bank, N.A., a national banking association, located at P.O. Box 2558, Houston, Texas, 77252, as Administrative Agent (the "Agent") for the several banks and other financial institutions (the "Lenders"), parties to the Credit Agreement, dated as of July 31, 2006 (as amended, supplemented or otherwise modified from time to time, the "Credit Agreement"), among Oglebay Norton Company, an Ohio corporation and parent of Obligor (the "Borrower"), the Lenders, the Agent, and National City Bank, as Documentation Agent.

W I T N E S S E T H:

WHEREAS, pursuant to the Credit Agreement, the Lenders have severally agreed to make Loans and other extensions of credit to the Borrower upon the terms and subject to the conditions set forth therein; and

WHEREAS, in connection with the Credit Agreement, the Obligor and certain other subsidiaries of the Borrower have executed and delivered a Guarantee and Collateral Agreement, dated as of July 31, 2006, in favor of the Agent (together with all amendments and modifications, if any, from time to time thereafter made thereto, the "Guarantee and Collateral Agreement");

WHEREAS, pursuant to the Guarantee and Collateral Agreement, the Obligor pledged and granted to the Agent for the benefit of the Agent and the Lenders 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 Lenders to make Loans and other financial accommodations to the Borrower pursuant to the Credit Agreement, the Obligor agrees, for the benefit of the Agent and the Lenders, 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 Guarantee and Collateral Agreement.

SECTION 2. Grant of Security Interest. The Obligor hereby pledges and grants a continuing security interest in, and a right of setoff against, and agrees to assign, transfer and convey, upon demand made upon the occurrence and during the continuance of an Event of Default without requiring further action by either party and to be effective upon such demand, all of the Obligor's right, title and interest in, to and under the Patents (including, without limitation, those items listed on Schedule A hereto) (collectively, the "Collateral"), to the Agent for the

benefit of the Agent and the Lenders 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 Lenders in connection with the Guarantee and Collateral Agreement and is expressly subject to the terms and conditions thereof. The Guarantee and Collateral Agreement (and all rights and remedies of the Lenders 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 Lenders with respect to the security interest in the Collateral granted hereby are more fully set forth in the Credit Agreement and the Guarantee and Collateral Agreement, the terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the terms of the Guarantee and Collateral Agreement, the terms of the Guarantee and Collateral 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.

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.

O-N MINERALS COMPANY

By: Julie A. Boland
Name: Julie A. Boland
Title: VP & Treasurer
Date:

ACKNOWLEDGMENT OF O-N MINERALS COMPANY

STATE OF OHIO)
COUNTY OF Cuyahoga) ss

On the 28th day of July, 2006, before me personally came Julie A. Boland, who is personally known to me to be the VP & Treasurer of O-N Minerals Company, an Ohio corporation; who, being duly sworn, did depose and say that she/he is the VP & Treasurer in such corporation, the corporation described in and which executed the foregoing instrument; that she/he executed and delivered said instrument pursuant to authority given by the Board of Directors of such corporation; and that she/he acknowledged said instrument to be the free act and deed of said corporation.

Janie V. Clark
Notary Public
JANIE V. CLARK
Notary Public, State of Ohio, Cuy. Co.
My commission expires June 15, 2008

(PLACE STAMP AND SEAL ABOVE)

JP MORGAN CHASE BANK, N.A.
as Administrative Agent for the Lenders

By: David J Waugh
Name: David J Waugh
Title: Vice President
Date: 7/31/06

ACKNOWLEDGMENT OF ADMINISTRATIVE AGENT

STATE OF Ohio)
COUNTY OF Cuyahoga) ss

On the 31st day of July, 2006, before me personally came David J. Waugh, who is personally known to me to be the Vice President of JP Morgan Chase Bank, N.A., a national banking association; who, being duly sworn, did depose and say that she/he is the Vice President in such association, the association described in and which executed the foregoing instrument; that she/he executed and delivered said instrument pursuant to authority given by the Board of Directors of such association; and that she/he acknowledged said instrument to be the free act and deed of said association.

Angela E. Novak
Notary Public



ANGELA E. NOVAK
Notary Public, State of Ohio
My Commission Expires Dec. 15, 2008

(PLACE STATE SEAL AND SEAL ABOVE)

SCHEDULE A

U.S. Patent Registrations and Applications

<u>Patent</u>	<u>Registration Number</u>
Method and Apparatus for Controlling Kiln	6,113,387