

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Tricia Guevara</td><td>03/24/2006</td></tr><tr><td>Michael T. Williams</td><td>05/17/2006</td></tr><tr><td>David A Cowan</td><td>04/03/2006</td></tr><tr><td>John K Madish</td><td>03/24/2006</td></tr><tr><td>Kolapo Adewale</td><td>03/28/2006</td></tr><tr><td>Roger Moore</td><td>05/12/2006</td></tr><tr><td>Tobias Blain Hileman</td><td>03/24/2006</td></tr></tbody></table>		Name	Execution Date	Tricia Guevara	03/24/2006	Michael T. Williams	05/17/2006	David A Cowan	04/03/2006	John K Madish	03/24/2006	Kolapo Adewale	03/28/2006	Roger Moore	05/12/2006	Tobias Blain Hileman	03/24/2006
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<table border="1"><tr><td>Name:</td><td>NOVA Chemicals Inc.</td></tr><tr><td>Street Address:</td><td>Westpointe Center</td></tr><tr><td>Internal Address:</td><td>1550 Coraopolis Heights Road</td></tr><tr><td>City:</td><td>Moon Township</td></tr><tr><td>State/Country:</td><td>PENNSYLVANIA</td></tr><tr><td>Postal Code:</td><td>15108</td></tr></table>		Name:	NOVA Chemicals Inc.	Street Address:	Westpointe Center	Internal Address:	1550 Coraopolis Heights Road	City:	Moon Township	State/Country:	PENNSYLVANIA	Postal Code:	15108				
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CORRESPONDENCE DATA																	
Fax Number: (412)490-4935 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone: (412) 490-4323																	
Email: lockhak@novachem.com																	
Correspondent Name: NOVA Chemicals Inc./Karen Lockhart																	
Address Line 1: 1555 Coraopolis Heights Road																	
Address Line 4: Moon Township, PENNSYLVANIA 15108																	
ATTORNEY DOCKET NUMBER:	9292 USA-NONP-REI																

PATENT

501181562

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NAME OF SUBMITTER:

Karen Lockhart

Total Attachments: 7

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ASSIGNMENT

WE,

Tricia Guevara, a U.S. citizen, residing at 2415 2nd Avenue, Koppel, PA.
16136, U.S.A. and

Michael T. Williams, a U.S. citizen, residing at 112 Pinebrook Drive, Beaver
Falls, PA 15010, U.S.A.; and

David A. Cowan, a U.S. citizen, residing at 148 Aberdeen Drive, Cranberry
Township, PA 16066, U.S.A.; and

John K. Madish, a U.S. citizen, residing at 48480 Allegheny Trail, Negley,
OH 44441, U.S.A.

Kolapo Adewale, a U.S. citizen, residing at 430 Lee Drive, Apt. #96, Moon
Township, PA 15108, U.S.A.

Roger Moore, a U.S. citizen, residing at 4814 Perry Hill Church Rd.,
Columbia, TN 38401, U.S.A.

Tobias Blain Hileman, a U.S. citizen, residing at 141 Savannah Gardner Rd.,
New Castle, PA 16101-5544, U.S.A.

have made a certain invention for which we have executed an application for United
States Letters Patent entitled:

Lightweight Concrete Compositions

NOW, in consideration of One (\$1.00) Dollar, the receipt of which is hereby
acknowledged, we hereby sell, assign and transfer unto NOVA Chemicals Inc.
("Assignee"), a corporation incorporated in the state of Delaware, and having an
office at Westpointe Center, 1550 Coraopolis Heights Road, Moon Township,
Pennsylvania, U.S.A., 15108, its successors, legal representatives and assigns, the
full, entire and exclusive right, title and interest in and to the aforesaid invention and
application and any and all Letters Patent of the United States which may be issued
thereon together with all reissues of said Letters Patent and all divisions,
continuations, continuations-in-part, and additional applications for patent for said
invention, and we agree to execute all further papers and to do all further acts
appropriate fully to vest in said NOVA Chemicals Inc., the rights herein conveyed;
we also hereby sell, assign and transfer unto said NOVA Chemicals Inc., its
successors, legal representatives and assign all of our foreign rights to said invention,
and to said application in all patent-granting countries of the world, including the right

to file applications and to obtain patents for said invention in its own name in said countries, and including all rights of priority in said countries under the terms of the International Convention for the Protection of Industrial Property, GATT, and NAFTA, and we further agree to execute any and all applications for patent, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights; and we hereby authorize and request any official of any country whose duty it is to issue patents on applications to issue all Letters Patents for said invention to ASSIGNEE as sole assignee.

SIGNED in the City of Monaca in the Country of USA, this 24th day of March, 2006.

WITNESS:

Loretta Kietzli

Tricia Guevara
Tricia Guevara

AFFIDAVIT OF EXECUTION

I, Loretta Kietzli, whose full post office address is
900 Frankfort Rd Monaca Pa 15061

MAKE OATH AND SAY:

That I was personally present and did see **Tricia Guevara** who is personally known to me to be the person named in the attached assignment duly signed and execute the same.

SWORN before me at the City)
of Monaca, in the Country)
of USA, this 24th day of)
March, 2006)

Loretta Kietzli
A Notary Public in and for the
Country of _____

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal
Loretta Kietzli, Notary Public
Potter Twp., Beaver County
My Commission Expires Oct. 26, 2009

Member, Pennsylvania Association of Notaries

SIGNED in the City of Monaca, in the Country of USA, this 12th
day of May, 2006.

WITNESS:

Loretta Klatzli

Michael T. Williams
Michael T. Williams

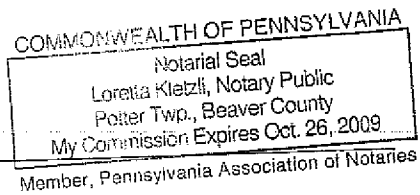
AFFIDAVIT OF EXECUTION

I, Loretta Klatzli, whose full post office address is c/o NOVA
Chemicals Inc, 400 Frankfort Road, Monaca, PA 15061, U.S.A.

MAKE OATH AND SAY:

That I was personally present and did see **Michael T. Williams** who is personally
known to me to be the person named in this assignment duly signed and execute the
same.

SWORN before me at the City)
of Monaca, in the Country)
of USA, this 12th day of)
May 2006)
Loretta Klatzli)
A Notary Public in and for the)
Country of USA



SIGNED in the City of Monaca in the Country of U.S.A., this 3rd day of
April, 2006.

WITNESS:

David A. Cowan

David A. Cowan
David A. Cowan

AFFIDAVIT OF EXECUTION

I, Carol I. Mundell, whose full post office address is:
1550 Coraopolis Heights Road Monaca Twp., PA 15108

MAKE OATH AND SAY:

That I was personally present and did see **David A. Cowan** who is personally known to me to be the person named in the attached assignment duly signed and execute the same.

SWORN before me at the City)
of Moody Twp., in the Country)
of USA, this 3rd day of)
April, 2006)

Carol J. Mundell
A Notary Public in and for the
Country of USA

Carol J. Mundell

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Carol J. Mundell, Notary Public

Moody Twp., Allegheny County

My Commission Expires Nov. 24, 2007

Member, Pennsylvania Association Of Notaries

SIGNED in the City of Monaca, in the Country of US, this 24th day of
March, 2006.

WITNESS:

Loretta Ketzli

John K. Madish
John K. Madish

AFFIDAVIT OF EXECUTION

I, Loretta Ketzli, whose full post office address is :
460 Frankfort Rd Monaca, Pa 15061

MAKE OATH AND SAY:

That I was personally present and did see **John K. Madish** who is personally known to me to be the person named in the attached assignment duly signed and execute the same.

SWORN before me at the City)
of Monaca, in the Country)
of USA, this 24th day of)
March, 2006)

Loretta Ketzli
A Notary Public in and for the
Country of USA

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Loretta Ketzli, Notary Public

Potter Twp., Beaver County

My Commission Expires Oct. 26, 2009

Member, Pennsylvania Association of Notaries

SIGNED in the City of Pittsburgh, in the Country of USA, this 28th day of MARCH, 2006.

WITNESS:

[Signature]
Kolapo Adewale

AFFIDAVIT OF EXECUTION

I, CAROL J. MUNDRELL, whose full post office address is:
1550 Coraopolis Heights Road Moon Twp, PA 15108

MAKE OATH AND SAY:

That I was personally present and did see **Kolapo Adewale** who is personally known to me to be the person named in the attached assignment duly signed and execute the same.

SWORN before me at the City)
of Pittsburgh, in the Country)
of USA, this 28th day of)
MARCH, 2006)

Carol J. Mundrell
A Notary Public in and for the
Country of USA

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Carol J. Mundrell, Notary Public
Moon Twp., Allegheny County
My Commission Expires Nov. 24, 2007
Member, Pennsylvania Association Of Notaries

SIGNED in the City of Moon, in the Country of USA, this 12th day of May, 2006.

WITNESS:

[Signature]

Mrs. Mary Margaret Moore
Roger Moore

By Mrs. Mary Margaret Moore,
Spouse and legal representative of
Roger Moore, deceased

AFFIDAVIT OF EXECUTION

I, _____, whose full post office address is :

MAKE OATH AND SAY:

That I was personally present and did see **Roger Moore** who is personally known to me to be the person named in the attached assignment duly signed and execute the same.

SWORN before me at the City)
of Monaca, in the Country)
of USA, this ___ day of)
_____, 2006)

Loretta Kletzli
A Notary Public in and for the
Country of USA

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal
Loretta Kletzli, Notary Public
Potter Twp., Beaver County
My Commission Expires Oct. 26, 2009

Member, Pennsylvania Association of Notaries

SIGNED in the City of Monaca, in the Country of US, this 24th day of
March, 2006.

WITNESS:

Loretta Kletzli

Tobias Blain Hileman
Tobias Blain Hileman

AFFIDAVIT OF EXECUTION

I, Loretta Kletzli, whose full post office address is :
200 Frankfort Rd Monaca Pa 15061

MAKE OATH AND SAY:

That I was personally present and did see **Tobias Blain Hileman** who is personally known to me to be the person named in the attached assignment duly signed and execute the same.

SWORN before me at the City)
of Monaca, in the Country)
of US, this 24th day of)
March, 2006)

Loretta Kletzli
A Notary Public in and for the
Country of USA

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal
Loretta Kletzli, Notary Public
Potter Twp., Beaver County
My Commission Expires Oct. 26, 2009

Member, Pennsylvania Association of Notaries

ABSTRACT OF THE INVENTION

A lightweight concrete composition containing from 10 to 90 volume percent of a cement composition, from 10 to 90 volume percent of particles having an average particle diameter of from 0.2 mm to 8 mm, a bulk density of from 0.03 g/cc to 0.64 g/cc, an aspect ratio of from 1 to 3, and from 0 to 50 volume percent of aggregate; where the sum of components used does not exceed 100 volume percent, and where after the lightweight concrete composition is set it has a compressive strength of at least 1700 psi as tested according to ASTM C39 after seven days. The concrete composition can be used to make concrete masonry units, construction panels, road beds and other articles.