

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mark V. Parish</td> <td>11/19/2008</td> </tr> <tr> <td>Marina R. Pascucci</td> <td>11/12/2008</td> </tr> <tr> <td>William H. Rhodes</td> <td>11/14/2008</td> </tr> </tbody> </table>		Name	Execution Date	Mark V. Parish	11/19/2008	Marina R. Pascucci	11/12/2008	William H. Rhodes	11/14/2008
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Mark V. Parish	11/19/2008								
Marina R. Pascucci	11/12/2008								
William H. Rhodes	11/14/2008								
RECEIVING PARTY DATA									
Name:	CeraNova Corporation								
Street Address:	85 Hayes Memorial Drive								
City:	Marlborough								
State/Country:	MASSACHUSETTS								
Postal Code:	01752								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12257510</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12257510				
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CORRESPONDENCE DATA									
Fax Number:	(732)815-1330								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	7328150404								
Email:	lmurphy@dsiplaw.com								
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Address Line 2:	Suite 210								
Address Line 4:	Clark, NEW JERSEY 07066								
ATTORNEY DOCKET NUMBER:	CER0001-01DV								
NAME OF SUBMITTER:	Scott S. Servilla								

Total Attachments: 5
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ASSIGNMENT

WHEREAS, We, Mark V. Parish, residing at 45 West Elm Street, Hopkinton, MA 01748-2118, and Marina R. Pascucci, residing at 21 Tattan Farm Road, Worcester, MA 01605, and William H. Rhodes, residing at 4 McKeever Drive, Lexington, MA 02420-1022, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on October 24, 2008, which application was assigned U.S. patent application serial number 12/257,510, and is entitled POLYCRYSTALLINE ALUMINA ARTICLES AND METHODS OF MANUFACTURE;

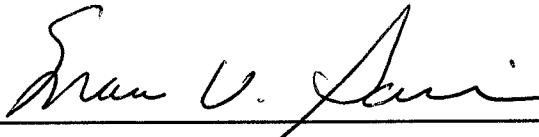
AND WHEREAS, CeraNova Corporation, a corporation organized and existing under and by virtue of the laws of the State of Massachusetts, and having an office and place of business at 85 Hayes Memorial Drive, Marlborough, MA 01752 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 19th day of November, 2008.

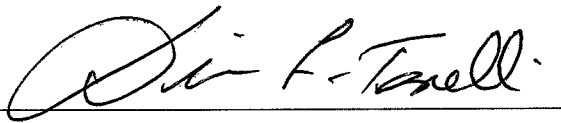


Mark V. Parish

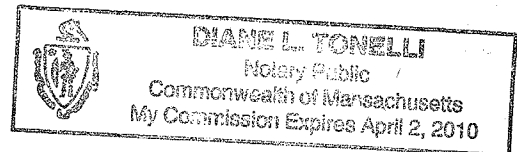
STATE OF MASSACHUSETTS)
)
COUNTY OF MIDDLESEX)

On this 19 day of NOVEMBER, 2008 before me personally appeared Mark V. Parish, to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public



IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of
November, 2008.

Marina R Pascucci

Marina R. Pascucci

STATE OF MA)

COUNTY OF Worcester)

On this 12th day of November, 2008 before me personally appeared Marina R. Pascucci, to me known and known to me to be the person described in and who executed the foregoing instrument, and she duly acknowledged to me that she executed the same for the uses and purposes therein set forth.

AMARJIT K. GILL
NOTARY PUBLIC
My Commission Expires Nov. 14, 2009

[SEAL]

AMARJIT K. GILL
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 14 day of
November, 2008.

William H. Rhodes

William H. Rhodes

STATE OF Massachusetts)

COUNTY OF Middlesex)

On this 14 day of November, 2008 before me personally appeared William H. Rhodes, to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

Semeon S. Hargan
Notary Public

