

Form PTO-1595 (Rev. 06/04)
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1. Name of conveying party(ies)/Execution Date(s): Michael E. McManus Michael Collins, Sr. Michael Collins, Jr. Execution Date(s) <u>May 15, 2005</u> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>CEM Corporation</u> Internal Address: _____ _____ Street Address: <u>3100 Smith Farm Road</u> _____ City: <u>Matthews</u> State: <u>North Carolina</u> Country: <u>USA</u> Zip: <u>28106</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>11/097,859</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Summa & Allan, P.A.</u> Internal Address: _____ _____ Street Address: <u>11610 N. Community House Rd.</u> <u>Suite 200</u> City: <u>Charlotte</u> State: <u>NC</u> Zip: <u>28277</u> Phone Number: <u>704-945-6700</u> Fax Number: <u>704-945-6735</u> Email Address: _____	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>50-0332</u> Authorized User Name <u>James M. Corbitt, Ph.D.</u>
9. Signature: <u>James M. Corbitt</u> <div style="display: flex; justify-content: space-between;"> Signature Date </div> <div style="display: flex; justify-content: space-between;"> James M. Corbitt, Ph.D. Total number of pages including cover sheet, attachments, and documents: <u>5</u> </div> <div style="display: flex; justify-content: space-between;"> Name of Person Signing </div>	

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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PATENT
REEL: 016249 FRAME: 0613

ASSIGNMENT

Whereas, we, Michael E. McManus, a U.S. citizen residing at Waxhaw, North Carolina, Michael Collins, Sr., a U.S. citizen, residing at Charlotte, North Carolina, and Michael Collins, Jr., a U.S. citizen, residing at Charlotte, North Carolina (hereinafter referred to as "ASSIGNORS"), have invented certain new and useful improvements in SPECTROSCOPY-BASED REAL-TIME CONTROL FOR MICROWAVE-ASSISTED CHEMISTRY, for which an application for a United States patent was filed on April 1, 2005, under Serial No. 11/097,859; and

WHEREAS, CEM CORPORATION, a North Carolina corporation (hereinafter referred to as "ASSIGNEE"), having a principal place of business at Matthews, County of Union, State of North Carolina, is desirous of acquiring the entire right, title, and interest in and to said invention and said application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof that may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by the ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to said invention and said application, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives, and assigns, promptly to communicate to the ASSIGNEE or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers that may be requested to confirm the right of the ASSIGNEE, its representatives, successors or assigns to secure patent or similar protection

for said invention in all countries and to vest in the ASSIGNEE complete title to said invention and Letters Patent, without further compensation, but at the expense of the ASSIGNEE, its successors, assigns and other legal representatives.

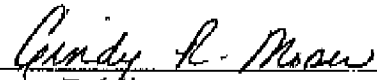

MICHAEL E. McMANUS


MICHAEL COLLINS, SR.


MICHAEL COLLINS, JR.

State of North Carolina
County of Union

Before me personally appeared said MICHAEL E. McMANUS, and acknowledged the foregoing instrument to be his free act and deed this 15 day of May, 2005.


Notary Public

My commission expires: May 13, 2006



State of North Carolina

County of Union

Before me personally appeared said **MICHAEL COLLINS, SR.**, and acknowledged the foregoing instrument to be his free act and deed this 15th day of MAY, 2005.

Cindy R. Moser
Notary Public

My commission expires: May 13, 2006

State of North Carolina

County of Union

Before me personally appeared said **MICHAEL COLLINS, JR.**, and acknowledged the foregoing instrument to be his free act and deed this 15th day of MAY, 2005.

Cindy R. Moser
Notary Public

My commission expires: May 13, 2006

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