

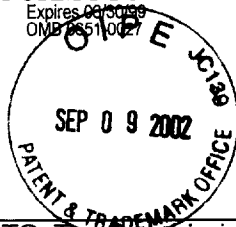
FORM PTO- 161 9A

Expires 09/30/02
OMB 0651-0027

09-13-2002



102220354

U.S. Department of Commerce
Patent and Trademark Office
PATENT**RECORDATION FORM COVER SHEET
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or comities).

Submission Type

New



Resubmission (Non-Recordation)

Document ID#



Correction of PTO Error

Reel #

Frame #



Corrective Document

Reel #

Frame #

Conveyance Type

Assignment



Security Agreement



License



Change of Name



Merger



Other

U.S. Government
(For Use ONLY by U.S. Government Agencies)

Departmental File



Secret File

Conveying Party(ies)Mark if additional names of conveying parties attached Execution Date
Month Day Year

Name (line 1)

CEM Limited, LLC

10-20-2000

Name (line 2)

Second Party

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)

CEM Corporation

Name (line 2)

Address (line 1)

3100 Smith Farm Road

Address (line 2)

P.O. Box 200

Address (line 3)

Matthews

North Carolina, USA

28106-0200

City

State/Country

Zip Code

☐ If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment
of a domestic
representative is attached.
(Designation must be a
separate document from
Assignment.)**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

09/12/2002 LNUJELLER 00000165 09260209

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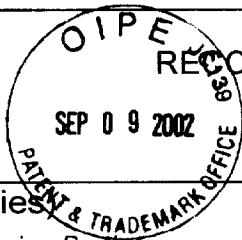
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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send Comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
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**PATENT
REEL: 013248 FRAME: 0680**

1 FORMPTO- 1619C

Expires 06/30/99
OMB 0651-0027

RECORDATION FORM COVER SHEET

CONTINUATION
PATENTS ONLYU.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

Enter additional Conveying Parties

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Execution Date
Month Day Year

Name (line 1)

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Execution Date
Month Day YearExecution Date
Month Day Year

Receiving Party(ies)

Enter additional Receiving Party(ies)

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Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

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Address (line 3)

City

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Name (line 1)

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State/Country

Zip Code

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Application Number(s) or Patent Number(s)

☒

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09/260,209

09/147,567

09/194,072

08/997,158

Patent Number(s)

5,427,741

5,369,034

5,252,274

5,215,715

5,066,843

5,420,039

5,320,804

RE34,373

5,206,479

4,882,286

5,378,878

5,318,754

5,230,865

5,108,701

4,877,624

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PATENT
REEL: 013248 FRAME: 0681

1 FORMPTO- 16190

Expires 06/30/99
OMB 0651-0027

RECORDATION FORM COVER SHEET

CONTINUATION
PATENTS ONLYU.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

Enter additional Conveying Parties

☐ Mark if additional names of conveying parties attachedExecution Date
Month Day Year

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Execution Date
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Receiving Party(ies)

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☐ Mark if additional names of receiving parties attached

Name (line 1)

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Address (line 3)

City

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Zip Code

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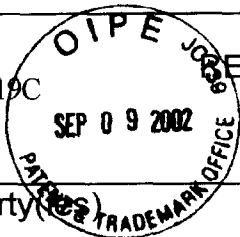
Patent Application Number(s)

Patent Number(s)

6,268,570	4,753,889	4,672,996
4,651,285	4,554,132	6,287,526
6,302,577	5,459,302	5,420,401
5,059,400	6,320,170	5,304,766
4,693,867	4,681,740	5,417,924

PATENT

REEL: 013248 FRAME: 0682



RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

Enter additional Conveying Parties

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Execution Date
Month Day Year

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Month Day Year

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Month Day Year

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Receiving Party(ies)

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Name (line 1)

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Patent Application Number(s)

Patent Number(s)

RE36,344

5,498,857

5,932,817

6,086,826

6,124,582

6,246,038

6,084,226

6,288,379

6,190,917

6,258,329

6,136,276

6,207,462

6,227,041

6,175,104

6,281,484

1 FORM PTO- 16190

Expires 06/30/99
OMB 0651-0027RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLYU.S. Department of Commerce
Patent and Trademark Office
PATENT

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

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Correspondent Name and Address

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

#

Application Number(s) or Patent Number(s)

☒ Mark if additional numbers attached

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Patent Application Number(s)

Patent Number(s)

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<input type="text" value="5,468,135"/>	<input type="text" value="5,443,795"/>	<input type="text" value="5,441,681"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number

only if a U.S. Application Number PCT
has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved. #

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Enclosed ☒ Deposit Account ☐

Deposit Account Number:

#

Authorization to charge additional fees:

Yes



No



Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

PHILIP SUMMA

Name of Person Signing

Signature

Date

9/6/2002

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20 283 9067

**ARTICLES OF MERGER
OF
CEM LIMITED, LLC
WITH AND INTO
CEM SUBSIDIARY CORPORATION**

SOSID: 0560467
Date Filed: 10/20/2000 10:01 AM
Elaine F. Marshall
North Carolina Secretary of State

CEM Subsidiary Corporation, a North Carolina corporation (the "surviving business entity"), and CEM Limited, LLC, a North Carolina limited liability company (the "merging business entity"), hereby submit these Articles of Merger for the purpose of merging the merging business entity into the surviving business entity:

1. The Plan of Merger is attached hereto as Exhibit A (the "Plan of Merger").
2. The business entities participating in the merger are CEM Subsidiary Corporation, a North Carolina corporation, and CEM Limited, LLC, a North Carolina limited liability company.
3. CEM Subsidiary Corporation will be the surviving business entity, and its address is 3100 Smith Farm Road, Matthews, North Carolina 28106.
4. The Plan of Merger was duly authorized and approved by the surviving business entity and the merging business entity in the manner required by law.
5. The merger will become effective at 10:01 a.m. (Raleigh, North Carolina time) on the date of filing of these Articles of Merger.

This the 23rd day of August, 2000.

CEM SUBSIDIARY CORPORATION

By: Michael J. Collins
Michael J. Collins, President

Plan of Merger

I. **Business Entities Participating in Merger.** CEM Limited, LLC, a limited liability company formed under the laws of North Carolina (the "Merging Business Entity"), will merge with and into CEM Subsidiary Corporation, a corporation formed under the laws of North Carolina ("CEM Subsidiary").

II. **Surviving Business Entity.** CEM Subsidiary shall be the surviving business entity (the "Surviving Business Entity") of the merger.

III. **Terms and Conditions of the Merger.** The merger of the Merging Business Entity into the Surviving Business Entity (the "Merger") will be effected pursuant to the terms and conditions of this Plan of Merger. At the time when the Merger becomes effective (the "Effective Time"), the existence of the Merging Business Entity will cease, and the existence of the Surviving Business Entity will continue.

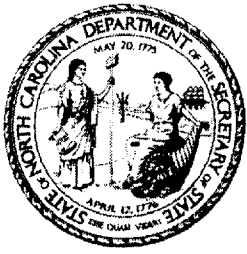
IV. **Conversion of Interests.** At the Effective Time, the outstanding interests of the business entities participating in the Merger will be converted and exchanged as follows:

A. **Surviving Business Entity.** The outstanding shares of capital stock of CEM Subsidiary shall not be converted, exchanged or altered in any manner as a result of the Merger and will remain outstanding.

B. **Merging Business Entity.** The outstanding membership interests of the Merging Business Entity shall be cancelled.

V. **Abandonment.** After approval of this Plan of Merger by the sole member of the Merging Business Entity and the sole shareholder of the Surviving Business Entity, and at any time prior to the Effective Time of the Merger, the board of directors of the Surviving Business Entity may, in its discretion, abandon the Merger.

VI. **Amendment to Articles of Incorporation.** The Articles of Incorporation of CEM Subsidiary as in effect immediately prior to the Effective Time shall be amended to change the name of CEM Subsidiary to "CEM Corporation", and, as so amended, the Articles of Incorporation and the Bylaws of CEM Subsidiary shall be the articles of incorporation and bylaws of the Surviving Business Entity until thereafter changed or amended as provided therein or by applicable law.



North Carolina

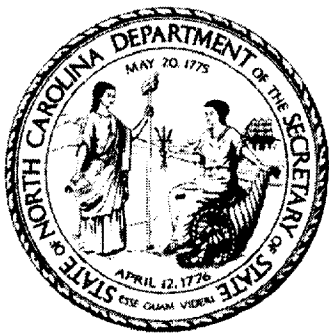
Department of the Secretary of State

To all whom these presents shall come, Greetings:

I, **ELAINE F. MARSHALL**, Secretary of State of the State of North Carolina, do hereby certify the following and hereto attached to be a true copy of

ARTICLES OF MERGER
OF
CEM CORPORATION

the original of which is now on file and a matter of record in this office.



IN WITNESS WHEREOF, I have hereunto
set my hand and affixed my official seal at the
City of Raleigh, this 31st day of January, 2002.

Elaine F. Marshall
Secretary of State