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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

100959111 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Sabah A. Kurukchi Name: Stone & Webster Engineering Corporation Internal Address: _ Additional name(s) of conveying party(ies) attached? ☐ Yes ■ No 3. Nature of conveyance: Street Address: 235 Summer Street Assignment ☐ Merger City: Boston State: MA Zip: 02210 Security Agreement

Change of Name ☐ Other Additional name(s) & address(es) attached? ☐ Yes ■ No Execution Date: ____January 20, 1999 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 01/29/99 A. Patent Application No(s). B. Patent No(s). Additional numbers attached? ☐ Yes ■ No Name and address of party to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: Name: Charles M. Cox Total fee (37 C.F.R. § 3.41) \$ 40 ■ Enclosed Internal Address: AKIN, GUMP, STRAUSS, HAUER & ☐ Authorized to be charged to deposit account FELD, L.L.P. 8. Deposit account number: 16-2435 Street Address: 1177 W. Loop South, 10th Floor (Attach duplicate copy of this page if paying by deposit account) City: Houston State: TX Zip: 77027-9095 DO NOT USE THIS SPACE

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 cop of the original document.

Total number of pages including cover sheet, attachments and document: 3

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PATENT REEL: 9735 FRAME: 0510

ASSIGNMENT

WHEREAS, I, Sabah A. Kurukchi, am sole inventor of PROCESS FOR PRETREATING CRACKED GAS BEFORE CAUSTIC TOWER TREATMENT IN ETHYLENE PLANTS application for United States Letters Patent which is executed of even date herewith; and

WHEREAS, STONE & WEBSTER ENGINEERING CORPORATION, a corporation created and existing under and by virtue of the laws of the State of Commonwealth Of Massachusetts, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by STONE & WEBSTER ENGINEERING CORPORATION and for other good and valuable considerations, the receipt of which is hereby acknowledged, I hereby sell, assign, transfer and set over to STONE & WEBSTER ENGINEERING CORPORATION, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, reexaminations and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by STONE & WEBSTER ENGINEERING CORPORATION for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted, reexamined or reissued, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to STONE & WEBSTER ENGINEERING CORPORATION, as assignee of our entire interest, and hereby covenant that I have the full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith.

And I further hereby covenant and agree that I will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to STONE & WEBSTER ENGINEERING CORPORATION, its successors, assigns, or other legal representatives and that if STONE & WEBSTER ENGINEERING CORPORATION, its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reexamination or reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And I do further covenant and agree that I will, at any time upon request, communicate to STONE & WEBSTER ENGINEERING CORPORATION, its successors, assigns or other legal REMORTALITY REPORTS Mail EM174563749US

PATENT REEL: 9735 FRAME: 0511 representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to us, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

EXECUTED THIS 20 day of JANUARY, 1999.

SABAH A. KURUKCHI

STATE OF TEXAS

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COUNTY OF HARRIS

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BEFORE ME, the undersigned authority, on this day personally appeared SABAH A. KURUKCHI, known to be to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 21 day of January,

REGINA F. DAVIS

Motary Public, State of Texas

My Commission Expires 11-26-01

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

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RECORDED: 01/29/1999

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