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16 July 2002

B/O FORM PTO-1595 (Rev. 4/00)

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

To the Commissioner for Patents. Please record the attached original documents or copies thereof.

1. Name of Conveying Party(ies):

Stephen David BRAY
Keith HARRIS

7.16.02

☐ Additional names of conveying parties attached.

2. Name and Address of Receiving Party(ies):

Name: Qual-Chem Limited

Internal Address:

Street Address: Commercial Street, Abergwynfi,
Port TalbotCity, State, Zip: West Glamorgan SA13 3YL,
United Kingdom

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: March 21, 2002

☐ Additional name(s) and address(es) attached.

4. (A) Patent Application Number(s):

10/070,413

4. (B) Patent Number(s):

If this document is being filed together with a new
application, the execution date of the application is:☐ Additional Numbers Attached5. Name and Address of Party to whom Correspondence Concerning this
Document Should be Mailed:Name: Richard E. Fichter
Registration Number 26,382
Address: Bacon & Thomas, PLLC
625 Slaters Lane Fourth Floor
Alexandria, VA 22314Total Number of Applications and
Patents Involved:

1

7. Total Fee:
(37 CFR 3.41)

\$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit Account Number: 02-0200

ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT

DO NOT USE THIS SPACE

9. Statement and Signature:

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is
a true copy of the original document.

Richard E. Fichter

July 16, 2002

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 5

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS I, BRAY, Stephen David

whose post office address appears below, hereinafter referred to as the ASSIGNOR, have invented a method for introducing additives in steelmaking

(hereinafter referred to as the INVENTION) for which an application for Letters Patent of the United States thus entitled was filed on _____ on the 15th day of MARCH, 2002 under Serial No. 10/070,413

AND WHEREAS Qual-Chem Limited a company organised under the laws of the UK having an address at Commercial Street, Abergwynfi, Port Talbot, West Glamorgan, SA13 3YL, UK hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States;

NOW THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I the ASSIGNOR, by these presents, do hereby sell, assign and transfer unto the ASSIGNEE the entire right, title and interest in and to the INVENTION and application throughout the United States, including any and all Letters Patent granted thereon or on any division, continuation, continuation-in-part or reissue of said application;

ALSO, I the ASSIGNOR hereby agree to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for the INVENTION, including additional documents that may be required to affirm the rights of the ASSIGNEE in and to the INVENTION, all without further consideration, and, without further consideration and at the ASSIGNEE'S expense, to identify and communicate to the ASSIGNEE at the ASSIGNEE'S request documents and information concerning the INVENTION that are within the ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of the ASSIGNEE

that lawfully may be required of the ASSIGNOR in respect of the prosecution, maintenance and defence of any patent application or patent encompassed within the terms of this instrument, the aforementioned obligations extending to the ASSIGNOR'S heirs, executors, administrators and other legal representatives;

ALSO I the ASSIGNOR hereby authorise and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to the ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for the ASSIGNEE'S sole use and behoof and for the use and behoof of the ASSIGNEE'S legal representatives, successors and assigns, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by the ASSIGNOR had this assignment and sale not been made;

AND the ASSIGNOR authorises any member of the firm of **Bacon & Thomas** to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Assignor Name Stephen David BRAY	Address SA3 5DL 31 Llys Le Breos, Mayals, Swansea SA1 5ED
Where Signed 103 MAYALS RD SWANSEA SA3 5DH	UK
Date 21.3.05	Signature S.D. Bray

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS I, HARRIS, Keith

whose post office address appears below, hereinafter referred to as the ASSIGNOR, have invented a method for introducing additives in steelmaking

(hereinafter referred to as the INVENTION) for which an application for Letters Patent of the United States thus entitled was filed on

MARCH , 2002 under Serial No. 10/070,413

AND WHEREAS Qual-Chem Limited a company organised under the laws of the UK having an address at Commercial Street, Abergwynfi, Port Talbot, West Glamorgan, SA13 3YL, UK hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States;

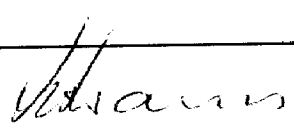
NOW THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I the ASSIGNOR, by these presents, do hereby sell, assign and transfer unto the ASSIGNEE the entire right, title and interest in and to the INVENTION and application throughout the United States, including any and all Letters Patent granted thereon or on any division, continuation, continuation-in-part or reissue of said application;

ALSO, I the ASSIGNOR hereby agree to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for the INVENTION, including additional documents that may be required to affirm the rights of the ASSIGNEE in and to the INVENTION, all without further consideration, and, without further consideration and at the ASSIGNEE'S expense, to identify and communicate to the ASSIGNEE at the ASSIGNEE'S request documents and information concerning the INVENTION that are within the ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of the ASSIGNEE

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AND the ASSIGNOR authorises any member of the firm of **Bacon & Thomas** to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Assignor Name Keith HARRIS	Address Commercial Street, Abergwynfi, Port Talbot, West Glamorgan, SA13 3YL, UK
Where Signed 103 MAYALS RD SWANSEA SA3 5DH	Signature 
Date 21. 3. 02	