

FORM PTO-1619A

(Rev. 6-99)

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To the Honorable Comm.



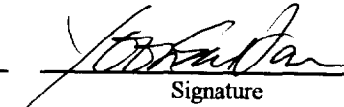
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original document or copy thereof.

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| <p>1. Submission Type</p> <p><input checked="" type="checkbox"/> New</p> <p><input type="checkbox"/> Resubmission (Non-Recordation)<br/>Document ID # _____</p> <p><input type="checkbox"/> Correction of PTO Error<br/>Reel # _____ Frame # _____</p> <p><input type="checkbox"/> Corrective Document<br/>Reel # _____ Frame # _____</p>  | <p>2. Name of Conveying Party(ies):<br/><b>Korea Research Institute of Chemical Technology</b></p> <p>Additional Name(s) of conveying party(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>   |
| <p>3. Name and Address of Receiving Party(ies):</p> <p>Name: <u>Chunggu Co., Ltd.</u></p> <p>Street Address: <u>165-4 Bumeo 2-dong</u><br/><u>Susung-gu</u></p> <p>City: <u>Daejon</u></p> <p>State/Country: <u>KOREA</u> Zip: <u>706-101</u></p> <p>Additional name(s) &amp; address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>  | <p>4. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other: _____</p> <p>Execution Date: <u>01282000</u></p>   |
| <p>5. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application,</p> <p><input type="checkbox"/> the first execution date of the application is : _____</p> <p><input checked="" type="checkbox"/> the filing date of the application is: <u>04011999</u></p> <p>A. Patent Application No.(s)<br/><u>09269789</u></p> <p>B. Patent No.(s)</p>  |  |
| <p>6 Name and address of party to whom correspondence concerning this matter should be mailed:</p> <p><b>CUSTOMER NUMBER 00136</b></p> <p>or</p> <p>JACOBSON, PRICE, HOLMAN &amp; STERN, PLLC<br/>400 Seventh Street, N.W.<br/>Washington, DC 20004<br/>Tel. 202-638-6666</p> <p>Attorney Docket No. <u>11353-P63443USO</u></p>  | <p>7. Number of applications and patents <span style="border: 1px solid black; padding: 2px;">1</span></p> <p>8. Total fee (37 CFR 3.41) ..... \$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Any deficiencies in enclosed fees are authorized to be charged to deposit account <u>06-1358</u></p> |
| <p>03/20/2000 DCARTES 00000017 09269789 DO NOT USE THIS SPACE</p>  |  |
| <p>10. Statement and Signature.</p> <p>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.</p> <p><u>Yoon S. Ham, Esq. 45,307</u>  <u>February 15, 2000</u></p> <p>Name of Person Signing/ Reg. # Signature Date</p> <p>Total number of pages excluding cover sheet: <span style="border: 1px solid black; padding: 2px;">-2-</span></p> |  |

Patent Application No. 09/269,789

Atty. Dkt. No. 11353-P63443US0

Additional name(s) & address(es) of assignees

Korea Research Institute of Chemical Technology

100 Jang-dong

Yusung-ku, Daejeon, KOREA

Total Number of pages excluding cover sheet: 3

**PATENT**  
**REEL: 010617 FRAME: 0034**

ASSIGNMENT


WHEREAS, KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY (hereinafter Assignor), located and doing business at 100 Jang-dong, Yusung-ku, Daejon, Korea, is the owner of USSN 09/269,789, filed April 11, 1999 for a NOVEL ZnS PHOTOCATALYST, PREPARATION THEREFOR AND METHOD FOR PRODUCING HYDROGEN BY USE OF THE SAME; and

WHEREAS, CHUNGGU CO., LTD. (hereinafter Assignee), a corporation duly organized and existing under the laws of Korea, located and doing business at 165-4 Bumeo 2-dong, Susung-gu, Daegu, 706-010, Korea is desirous of acquiring a half of its right, title and interest in said patent application.


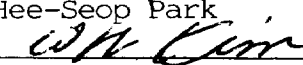
NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto said Assignee, its successors, legal representatives, heirs and assigns the half of its right, title and interest in the United States to said invention as described in said patent application, the eventual Letters Patent, and all reissues, or extensions of said Letters Patent.

Assignor hereby grant(s) the law firm of Jacobson, Price, Holman & Stern, PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Signed this 28th day of January, 2000

  
\_\_\_\_\_  
Choong-Seop Kim, President  
Korea Research Institute of  
Chemical Technology

Witnesses:

- (1)   
\_\_\_\_\_  
Hee-Seop Park
- (2)   
\_\_\_\_\_  
Wook-Hyun Kim