| FORM PTO-1595 | | U.S. DEPARTMENT OF COMMERCE | | | |
|--|--|---|--|--|--|
| (Rev. 6/93) Patent and Trademark Office RF | | | | | |
| 06-09-2000 | | | | | |
| 05/1 | | Attorney's Docket No. <u>004501-078</u> | | | |
| To the Honorable Commissioner of 10137 | | ned original documents or copy thereof. | | | |
| 1. Name of conveying party(ies): | 2. Name and address of receiving party(ies): | | | | |
| 1) Thomas DOBLER; 2) Wolfgang EVERS and 3) Ken HAFFNER | Name: ABB Research Ltd. | | | | |
| 3) Kell IIMI I NEK | | -8050 Zürich, SWITZERLAND | | | |
| Additional name(s) of conveying party(ies) attached? [] Yes [X] No | IPE | | | | |
| 3. Nature of conveyance: | 7 1 7 2000 0 | | | | |
| [X] Assignment [] Merger [] Change of Name [] Change of Name | | | | | |
| Other: | Additional name(s) | & address(es) attached? [] Yes [X] No | | | |
| Execution Date: August 17, 1998 | | | | | |
| 4. 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: | | | |
| A. Patent Application No.(s) | B. Patent No.(s) | | | | |
| 09/137,681 | | | | | |
| Additional numbers attach | ned? [] Yes [X] | No | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of | applications and patents involved: One (1) | | | |
| Name: Robert S. Swecker, Esquire | 7. Total fee (37 CF) | R § 3.41): \$_40.00 | | | |
| Address: Burns, Doane, Swecker & Mathis, L.L.P. | [X] Enclosed | | | | |
| P.O. Box 1404 | [X] Authorized t | to be charged to deposit account, if necessary | | | |
| Alexandria, Virginia 22313-1404 | 8. Deposit account | number: | | | |
| | 02-4800 | _ | | | |
| DO NOT USE THIS SPACE | | | | | |
| 9. 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. | | | | | |
| Robert S. Swecker May 17, 2000 Name of Person Signing Signature Date | | | | | |
| | U | cluding cover sheet attachments and document: 3 | | | |

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

06/07/2000 JSHABAZZ 00000233 09137681 01 FC:581 40.00 0

PATENT (09/99)
REEL: 010833 FRAME: 0660

| Attorney's | Docket | No. |
|------------|--------|-----|

ASSIGNMENT

(JOINT)

| THIS ASSIGNMENT, by <u>Thomas Dobler, Wolfgang E</u> | vers |
|--|-------------------------|
| | , and |
| Ken Haffner, residing at CH-5436 Würenlos, Swit | zerland; |
| CH-5415 Nussbaumen, Switzerland | |
| | |
| | |
| | and |
| CH-5400 Baden, Switzerland | (hereinafter |
| referred to as "the Assignors"), respectively, witnesseth: | |
| WHEREAS, the Assignors have invented certain new and useful Optic pyrometer for gas turbines | improvements in |
| [] which is a provisional application to be filed herewith; [X] which is a non-pi | rovisional application |
| having an oath or declaration executed on even date herewith prior to filir | ng of application; [] |
| bearing Application No, and filed on | ; and |
| WHEREAS,ABB Research Ltd | _, a corporation duly |
| 1, | and having its |
| principal place of business atCH-8050 Zürich, Switzerland | and naving its |
| (hereinafter referred to | as "the Assignee") is |
| desirous of acquiring the entire right, title, and interest in and to said invent | ions, the right to file |
| applications on said inventions and the entire right, title and interest in and | to any applications, |
| including provisional applications for Letters Patent of the United States or oth | |
| priority to said application, and in and to any Letters Patent or Patents, Unit | ed States or foreign, |
| to be obtained therefor and thereon. | |
| | |

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisions applications, above-mentioned, and that the same are unencumbered, and that the

Page 1 of 2

(1/96

| Application Serial No. | |
|------------------------|--|
| Attorney's Docket No. | |

Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

| Date _ | 1998-08-17 | _ Name of Assignor | Thomas Dobler Y | Thomas Haller |
|--------|------------|--------------------|------------------|---------------|
| | | | Wolfgang Evers 🗸 | 1/ 11 / |
| Date _ | 1998-08-17 | _ Name of Assignor | Ken Haffner | CHA |
| | | | | |
| Date _ | | _ Name of Assignor | | |
| Date _ | | _ Name of Assignor | | |
| Date _ | | _ Name of Assignor | | |
| Date | | _ Name of Assignor | | |

RECORDED: 05/17/2000