| FORM PTO 1855       (-)   |  |                                     | 10163331   |
|---|--|-------------------------------------|--|
| To the Honorable Commission       102552406       attached original documents or copy thereot.         1. Name of conveying partyles!       Security Agreement       2. Name and address of receiving partyles!         Additional name(s) of conveying partyles) attached? DVes • No       Name:   | (Rev. 6-93) $(6 \cdot 100)$  | 09-16-2003                          | B SHEFT U.S. DEPARTMENT OF COMMERCE  |
| 1. Name of conveying partyles):       2. Name and address of receiving partyles):         Sven LAURÔSCH, Jörg KREILING and Ralf       Name:   |  |                                     | a attached original documents or convittereof  |
| Sven LAURÖSCH, Jörg KREILING and Ralf       Name:       Rittal GmbH & Co, KG         Additional nametsi of conveying partylies) attached? OVes ■ No       Internal Address:         Additional nametsi of conveying partylies) attached? OVes ■ No       Steet Address:       Auf dem Stützelberg         Additional nametsi of conveying partylies) attached? OVes ■ No       Steet Address:       Auf dem Stützelberg         Security Agreement       © Marger       Steet Address:       Zup:         Additional numberisi       © Change of Name       DE-35745 flerborn, Germany         Additional numberisi       City:   |  |                                     |  |
| DAHMER       Internal Address:         Additional name(s) of conveying partyles) attached? DYss No         3. Nature of conveying partyles) attached? DYss No         3. Additional name(s) & datters:         Determine         Differ         B. Patent No.(s)         A. Application number(s) filed together with a new application, the execution date of the application is:       05 May 2003         A. Application Number(s) filed together with a new application, the execution date of the application is:       05 May 2003         A. Patent Application No.(s)       B. Patent No.(s)         Additional numbers attached?       Yes         Additional numbers attached?       Yes         Name:       Douglas H, Pauley         Internal Address:       C. Total number of applications and patents involved:         Street Address:       State:  |  |                                     |  |
| Additional name(s) of conveying partylies) attached? CiYes ■ No         3. Nature of conveyance:         ■ Assignment       DMerger         ■ Assignment       Change of Name         □ Other   |  |                                     |  |
| 3. Nature of conveyance:       Auf dem Stützelberg         Assignment       D Merger         Security Agreement       D Chunge of Name         D Other  |  | Internal A                          | ddress:  |
| 3. Nature of conveyance:       Auf dem Stützelberg         Assignment       Derest Address:       Auf dem Stützelberg         Basignment       Change of Name       DE-35745 Herborn, Germany         Becurity Agreemont       Change of Name       DE-35745 Herborn, Germany         City:       State:       Zip:         Execution Date:       05 May 2003       Additional name(s) & addressel attached?       Yes       No         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:       05 May 2003         A. Patent Application No.(s)       B. Patent No.(s)       B. Patent No.(s)         Street Address:       Pauloy Potersen Kinne & Erickson       6. Total number of applications and patents involved: 1         Name:       Douglas H. Pauloy       Finclosed       Denosit Account :         Iterest Address:       Pauloy Potersen Kinne & Erickson       Enclosed       Denosit Account :         Street Address: 2800 West Higgins Read       B. Deposit Account :       Attach duplicate capy of this page if paying by deposit account)         City:       Hoffman Estates       State:       To the bast of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document to be recorded with required cover sheet information to:       Date   |  |                                     |  |
| Assignment     Development     Concerning document     Security Agreement     Change of Name     DE-35745 Herborn, Germany     Detember(s)     Additional name(s) & addressles) attached?     Ves     No      Application number(s):     It this document     So May 2003     A. Patent Application No.(s)     DE/4/3/3/3/9     Additional numbers attached?     Ves     No      Additional numbers attached?     Ves     No      Additional number of applications and patents involved:     1     Total number of applications     Douglas H. Pauley     Dubre of Bergen and belief, the foregoing information is true and cornert and any strached copy is a true c     | Additional name(s) of conveying party(ies) attac   | ched? □Yes ■ No                     |  |
| Security Agreement     DE-35745 Herborn, Germany     Debate in the security and the secure and the security andifference of the security andifference and     | 3. Nature of conveyance:   | Street Ad                           | dress: Auf dem Stützelberg   |
| C Security Agreement       E Change of Name         C Other   | Assignment D Merger  |                                     | DE-35745 Herborn Germany   |
| Execution Date:       05 May 2003       Additional name(s) & address(es) attached?       P yes       No         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:       05 May 2003         A. Patent Application No.(s):       B. Patent No.(s)       B. Patent No.(s)         Additional numbers attached?       P yes       No         5. Marme and address of party to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 1.21(h))   | □ Security Agreement □ Change  | e of Name                           |  |
| 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:       05 May 2003         A. Patent Application No.(s)       If Unit document is being filed together with a new application, the execution date of the application is:       05 May 2003         B. Patent No.(s)       If Unit document is being filed together with a new application, the execution date of the application is:       05 May 2003         A. Patent Application No.(s)       If Of USE This SPACE       If Total number of applications and patents involved:       1         Street Address:       Pauley Petersen Kinne & Erickson       If Ducing as 5       If Of USE THIS SPACE       If Ducing and the below is page if paving by deposit account         Street Address:       2800 West Higgins Road       If Or Use THIS SPACE       If Ducing and the original document is being information is true and correct and any attached copy is a true copy of this page if paving by deposit account         Statement and signature.       To the base of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document Douglas II. Pauley       O2 JUN ZOO3         Name of Person Signing       Signature       O2 JUN ZOO3         Name of Person Signing       Mail documents to be recorded with required cover sheet Information to:         Mail documents to be recorded with required cover sheet Information to:       Mail document Recordation S  | D Other  | City:                               | State:Zip:   |
| It this document is being filed together with a new application, the execution date of the application is:       05 May 2003         A. Patent Application No.(s)       B. Patent No.(s)         J.G./J.G.J.G.J.G.J.G.J.G.J.G.J.G.J.G.J.G   | Execution Date: 05 May 2003  | Additional                          | name(s) & address(es) attached?  |
| Additional numbers attached? □ Yes       = No         5. Name and address of party to whom correspondence<br>concerning document should be mailed:       6. Total number of applications and patents involved: 1         Name:       Douglas H, Pauley       7. Total number of applications and patents involved: 1         Name:       Douglas H, Pauley       7. Total number of applications and patents involved: 1         Internal Address:       Pauley Petersen Kinne & Erickson       ■ Enclosed         Street Address:       2800 West Higgins Road       ■ Enclosed         Street Address:       State:       IL       Zip: 60195         City:       Hoffman Estates       State:       IL       Zip: 60195         Do Not Use THIS SPACE       9. Statement and signature.       02 JUN 2003         To the bast of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the orginal document       02 JUN 2003         Name of Person Signing       Signatury       Date         Reg. No. 33, 295       Total number of pages including cover sheet, attachments, and document:       3         Mail documents to be recorded with required cover sheet information to:       Mail Stop Assignment Recordation Services         VO-644       Mail Stop Assignment Recordation Services       Director of the US Patent and Trademark Office         P.O. Box 1460, Alexandria, VA 22313:   |  | a new application, the execution da | ate of the application is: $05~\mathrm{May}~2003$  |
| Additional numbers attached? □ Yes ■ No         5. Name and address of party to whom correspondence<br>concerning document should be mailed: <ul> <li>Attach number of applications and patents involved:</li> <li>Total fee (37 CFR 1.21(h))\$40.00</li></ul>  | A. Patent Application No.(s)   | B. Patent                           | No.(s)   |
| 5. Name and address of party to whom correspondence concerning document should be mailed:       6. Total number of applications and patents involved: 1         Name:       Douglas H. Pauley       7. Total fee (37 CFR 1.21(h))   | 10/43331   | 9                                   |  |
| concerning document should be mailed:         Name:       Douglas H. Pauley         Internal Address:       Pauley Petersen Kinne & Erickson         Street Address:       2800 West Higgins Road         Street Address:       2800 West Higgins Road         Street Address:       Suite 365         City:       Hoffman Estates         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         Ouglas H. Pauley       O2 Jun Zoo3         Name of Person Signing       Signature         Reg. No. 33,295       Total number of pages including cover sheet, attachments, and document:         Jonector of the US Pattern and Trademark Office         P.O. Box 1450, Alexandria, VA 22313-1450  |  | Additional numbers attached?        | Yes ■ No   |
| Internal Address: Pauley Petersen Kinne & Erickson Internal Address: Pauley Petersen Kinne & Erickson Street Address: 2800 West Higgins Road ON 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 Douglas H. Pauley Mail Mocuments of pages including cover sheet, attachments, and document: 3 Mail documents to be recorded with required cover sheet information to: Mail Boop Assignment Recordation Services Vo-644 Director of the US Patent and Trademark Office P.O. Box 1450, Alexandria, VA 22313-1450 EXPRESS MAIL NO.: EV217085059US   |  | ondence 6. Total r                  | number of applications and patents involved: 1   |
| Authorized to be charged to deposit account  Authorized to be cha | Name: Douglas H. Pauley  | 7. Total f                          | ee (37 CFR 1.21(h))\$ <u>40.00</u>   |
| Street Address: 2800 West Higgins Road       8. Deposit Account :<br>(Attach duplicate copy of this page if paying by deposit account)         City:       Hoffman Estates       State: IL       Zip: 60195         Do Not USE THIS SPACE       9. Statement and signature.<br>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy<br>of the original document<br>Douglas H. Pauley       02_JUN 2003         Name of Person Signing       Signature       02_JUN 2003         Reg. No. 33,295       Total number of pages including cover sheet, attachments, and document:       3         Vitorney       Mail documents to be recorded with required cover sheet information to:<br>Mail Stop Assignment Recordation Services<br>Director of the US Patent and Trademark Office<br>P.O. Box 1450, Alexandria, VA 22313-1450       3         EXPRESS MAIL NO.:       EXPRESS MAIL NO.: EV217085059US   | Internal Address: Pauley Petersen Kinne  | & Erickson                          | sed  |
| Suite 365       (Attach duplicate copy of this page if paying by deposit account)         City:       Hoffman Estates       State:       L       Zip::60195         DO NOT USE THIS SPACE         9. Statement and signature.<br>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy<br>of the original document<br>Douglas H. Pauley       O2_JUN ZOO3         Name of Person Signing       Signature       O2_JUN ZOO3         Reg. No. 33,295       Total number of pages including cover sheet, attachments, and document:       3         Attorney       Mail documents to be recorded with required cover sheet information to:<br>WO-644       Mail Stop Assignment Recordation Services<br>Director of the US Patent and Trademark Office<br>P.O. Box 1450, Alexandria, VA 22313-1450         EXPRESS MAIL NO.:       EXPRESS MAIL NO.: EV217085059US  |  | D Autho                             | prized to be charged to deposit account  |
| City:       Hoffman Estates       State:       L       Zip: 60195         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       O2_JUN Z003         Douglas H. Pauley       Dury Pauley       O2_JUN Z003         Name of Person Signing       Signature       O2_JUN Z003         Reg. No. 33,295       Total number of pages including cover sheet, attachments, and document:       3         Attorney       Mail documents to be recorded with required cover sheet information to:       Mail Stop Assignment Recordation Services         VO-644       Director of the US Patent and Trademark Office       P.O. Box 1450, Alexandria, VA 22313-1450         EXPRESS MAIL NO.:       EXPRESS MAIL NO.: EV217085059US  | Street Address: 2800 West Higgins Road   | 8. Deposit                          | t Account :  |
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| 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<br>Douglas H. Pauley       02-JUN 2003         Name of Person Signing       Signature       Date         Reg. No. 33,295       Total number of pages including cover sheet, attachments, and document:       3         Attorney       Mail documents to be recorded with required cover sheet information to:       3         Nocket No.:       Mail Stop Assignment Recordation Services         VO-644       Director of the US Patent and Trademark Office         P.O. Box 1450, Alexandria, VA 22313-1450         EXPRESS MAIL NO.: EV217085059US  |  | DO NOT USE THIS SPAC                | стана и представание и представание и представание и представание и представание и представание и представание<br>СЕ |
| Docket No.:     Mail Stop Assignment Recordation Services       VO-644     Director of the US Patent and Trademark Office       P.O. Box 1450, Alexandria, VA 22313-1450  | To the best of my knowledge and belief, the<br>of the original document<br>Douglas H. Pauley<br>Name of Person Signing |                                     | 02 JUN 2003<br>Date  |
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| EXPRESS MAIL NO.: EV21708505905   |  |                                     |  |
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PATENT REEL: 014481 FRAME: 0110

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## ASSIGNMENT

WHEREAS, We the following inventors

| 1. | Name:                | Sven LAURÖSCH               |
|----|----------------------|-----------------------------|
|    | Residence:           | Haiger, Germany             |
|    | Post Office Address: | Am Rossbacher               |
|    |                      | DE-35708 Haiger, Germany    |
|    | Citizenship:         | Germany                     |
| 2. | Name:                | Jörg KREILING               |
|    | Residence:           | Biebertal, Germany          |
|    | Post Office Address: | Grabenstr. 9                |
|    |                      | DE-35444 Biebertal, Germany |
|    | Citizenship:         | Germany                     |
| 3. | Name:                | Ralf DAHMER                 |
|    | Residence:           | Olpe, Germany               |
|    | Post Office Address: |                             |
|    |                      | DE-57462 Olpe, Germany      |
|    |                      | DE 57 102 Olpo, Gormany     |

Citizenship:

hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements in an invention entitled:

Germany

## SWITCHGEAR CABINET OR SWITCHGEAR CABINET ASSEMBLY COMPRISING A MONITORING DEVICE THAT IS ARRANGED THEREIN

which is described and claimed in an application for Letters Patent of the United States executed by ASSIGNORS on even date herewith, and naming as inventors Sven LAURÖSCH, Jörg KREILING and Ralf DAHMER; said improvements as described and claimed in said application for Letters Patent of the United States, being hereinafter referred to as said "Invention"; and

WHEREAS, Rittal GmbH & Co. KG, a limited partnership duly organized and existing under and by virtue of the laws of the Country of Germany and having its principal office and place of business at Auf dem Stützelberg, DE-35745 Herborn, Germany, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under Letters Patent therefor in the United States;

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VO-644

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NOW THEREFORE BE IT KNOWN THAT, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over to and unto ASSIGNEE, its successors and assigns ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under the above-identified application and all other applications for Letters Patent of the United States, and in, to and under all divisions, reissues, continuations, extensions and reexaminations thereof, and covenant that ASSIGNORS have the full right so to do; and the Commissioner of Patents is hereby authorized and requested to issue all United States Letters Patent on said Invention included herein to ASSIGNEE, as assignee of ASSIGNORS' entire interest.

ASSIGNORS further agree to communicate to ASSIGNEE or its representatives or agents all facts and information known or available to ASSIGNORS regarding said Invention including evidence for interference purposes or for other legal proceedings, whenever requested; to testify in any interference or other proceedings; to execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, declarations, oaths, affidavits, depositions, etc.; and to generally do everything possible to aid ASSIGNEE, its successors and assigns, but at the expense of ASSIGNEE, in obtaining and enforcing proper protection for said Invention in the United States.

5.5.03

Date

DAHMER

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