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| I. Name of conveying party(ies): DIETMAR BRAEER URGEN KAADEN GERHARN RELINER ANDEN GERHARN RELINER ASSIgnment X Assignment | To the Honorable Assistant Commissioner for Patents: Please record the attached orig   | nal documents or copy thereof   | 1013943                                       | വദ          |
|--|--|---|---|-------------|
| 3. Nature of conveyance: Assignment X Security Agreement Other Security | JURGEN KAADEN GERHARD REINER Additional name(s) of Yes No X OFR/FILIANCE   | Internal Address: Hermann-Schwen D-78048 Villingen-Schwen               | ng party(ies).<br>N-BRANDT GmbH<br>ver-Str. 3 | 00          |
| Assignment X Security Agreement Change of Name Other Security Agreement Change of Name Other Fecution Date: 10 May 2000  4. Application number(s) or patent number(s): If his document is being patent number(s): If his document is being patent number(s): B. Patent No. (s) B. Patent N | attached:  |   |   |             |
| Execution Date: 10 May 2000   Additional name(s) & address(es) attached? Yes No X  | Assignment X Merger Security Agreement Change of Name  | City:   | State:  | Zip:        |
| 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) DE 19515074.0 B. Patent No.(s) DE 1 |  | Additional name(s) & address(es   | ) attached?                                   | Yes No X    |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name:  JOSEPH S. TRIPOLI Internal Address: PATENT OPERATIONS- THOMSON multimedia Licensing Inc.  Street Address: PO Box 5312  City: PRINCETON State: NEW JERSEY Zip: 08543-5312  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.  FRANCIS A. DAVENPORT Name of Person Signing  Total number of pages including cover sheet, attachments, and document:  DO NOT DETACH THIS PORTION  Mail documents to be recorded with required cover sheet information to:  **Assistant Commissioner for Patents** Box Assignments** Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-190OC, Washington, D.C. 20231 and to the Office of Management and Budget, Paperwork Reduction Project  | <ol> <li>Application number(s) or patent number(s):         If this document is being filed together with a new application, the execution date of A. Patent Application No.(s) DE 19515074.0         DE 19535226.2     </li> </ol>                | the application is:   |   |             |
| concerning document should be mailed: Name: JOSEPH S. TRIPOLI Internal Address: PATENT OPERATIONS- THOMSON multimedia Licensing Inc.  Street Address: PO Box 5312  City: PRINCETON State: NEW JERSEY Zip:08543-5312  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.  FRANCIS A. DAVENPORT Name of Person Signing  Total number of pages including cover sheet, attachments, and document:  DO NOT DETACH THIS PORTION  Mail documents to be recorded with required cover sheet information to:  Assistant Commissioner for Patents Box Assignments Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office. Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project  | Additional numbers attached? Yes   | No X  |   |             |
| Street Address: PO Box 5312  City: PRINCETON State: NEW JERSEY Zip :08543-5312  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.  FRANCIS A. DAVENPORT Name of Person Signing  Total number of pages including cover sheet, attachments, and document:  DO NOT DETACH THIS PORTION  Mail documents to be recorded with required cover sheet information to:  Assistant Commissioner for Patents Box Assignments Washington, D.C. 20231  Public burden reporting for this sample cover sheet is estimated to average about 30 minutes with the sample cover sheet including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office. Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project   | concerning document should be mailed: Name: JOSEPH S. TRIPOLI Internal Address: PATENT OPERATIONS-   | 7. Total Fee (37 CFR 3.41):   |   |             |
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|  | including time for reviewing the document and gathering the data needed, and compl sheet. Send comments regarding this burden estimate to the U.S. Patent and Tradem Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management a | eting and reviewing the sample co-<br>ark Office. Office of Information | ver   |             |

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## ASSIGNMENT AND AGREEMENT IN AN ADDITION

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|--|--|---|---|--|
| l hereby o<br>(if plural inventors   | declars that I am the sole inventor (If only one inventor is no<br>are named below) of the inventions relating to<br>TRACKING FOR A HELICAL TRA  |   |   |  |
| Assignment/Agree For valual and existing under for all countries in and any divisions,   | or, if not identified here by filing date and serial present.  Or, if not identified here by filing date and serial present.  Die consideration received, I hereby sall, assign and transfilite laws of the country of Germany, its successors, and a and to said inventions, and all the rights and privilegee und continuations, reissues and autensions thereof.  | number, ex<br>er to DEUT<br>ssigns my o<br>ler any and  | 23 February 2000 under Serial No. secuted by me on even date with my execution of this SCHE THOMSON-BRANDT GmbH., a corporation duly organized entire right, title and interest, all Letters Patent that may be granted therefor.   | and do<br>and for  |
| equested by said in a succession, assistantial in a succession, assistantial in a succession i | corporation and at its expense will testify in any legal processing and at its expense will testify in any legal processing and legal representatives or nominees, to obtain or as and empower said corporation, its successors, assigns or in my/our name, in any and all countries and to invoke a of the right of priority provided by the International Convictivated for it, and to invoke and claim such right of priority consent that a copy of this exaginament shall be deemed a unity for any purpose and more particularly in proof of the or said inventions, and to claim the aforesaid benefits of the any convention which may henceforth be substituted for it, any convention which may henceforth be substituted for it, twith DEUTSCHE THOMSON-BRANDT GmbM, its succession conveyed by me are free and clear of any encumbrant | wee any fac-<br>sedings, an<br>inforce proper<br>or claim to<br>mation for it<br>without furth<br>full legal an<br>inight of the<br>enght of pro-<br>pasors, assi-<br>ce, and the | a expense, sign all papers, take all rightful ceths, make all rightful declarations patents or other forms of protection for said inventions in any and all countries to know to me respecting said inventions and when it generally do everything possible to aid said corporation, er protection for east inventions in eny end all countries. It is to make application for patent or other form of protection for said inventions; if any application for patent or other form of protection for said inventions filed the Protection of Industrial Property, as amended, or by any convention which is maintained in the protection of industrial Property, as amended, or by any convention which is said corporation or its successors, assigns or nominees to apply for patent of cirity provided by the International Convention for the Protection of Industrial Prights, legal representatives, and nominees, that to the best of my knowledge the I have full right to convey the same as herein expressed. | in its or<br>by it or<br>th may<br>may be<br>ar other<br>roperty,<br>enght |
| Signed at  | Vill 19jers  | Date  | 10.05.18  |  |
| inventor (1)   | DIETMAR BRAEUER  | -   | (Signature in Full. No initials.)   |  |
| Po   | wilstorfstr. 20, D-78052   | 2 Villinge  | en-Schwenningen, Germany  |  |
| 1st Witness  | Stephan Thies (Type or Frint) Volker Schäfergohunn   |   | Stephan Thies<br>(Signature in Full, No millials.)  |  |
| 2ndWitness   | (Type or Fring)  | -   | (Signature in Full. No install.)  |  |
| Signed at  | W. Clingen   | Date  | 10. May 00  |  |
| inventor (2)   | JURGEN KAADEN  | -   | (Signature up Full. No Initials.)   |  |
| Po   | et Office Address Im Tannhoemie 10, D-7  | '8052 V   | illingen-Schwenningen, Germany  |  |
| 1st Witness  | Stephan Thies  | •   | Stephan Thies (Signature in Full, No instale)   |  |
| 2ndWitness   | Volker schäferjohann   |   | Sognature in Full No integer  |  |
| Signed at  | Villagen   | Data  | 100 May 2000  |  |
| inventor (3)   | GERHARD REINER   |   | (Signature in Full. No introde)   |  |

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Princeton, NJ 08543-5312

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1st Witness

2ndWitness

Stephan (Type of Print)

Thies

Vocker Schüferjohann