Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027) Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

FOR OFFICE USE ONLY

Address (line 4)

08 FQ**:5**81

05/10/1001 HMDHAMMI 00000027 09796028

40,00 00

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

| FORM PTO-16 Expires 06/30/99 OMB 0651-0027 | 519B | Page 2 | U.S. Department of Commerce Patent and Trademark Office PATENT |
|--|--|--|--|
| Correspondent | Name and Address | Area Code and Telephone Number | (312) 701-8593 |
| Name | DAVID M. THIMMIG | | |
| Address (line 1) | MAYER, BROWN & PLA | TT | |
| Address (line 2) | P.O. BOX 2828 | | |
| Address (line 3) | CHICAGO, ILLINOIS 606 | 90-2828 | |
| Address (line 4) | | | |
| Pages | Enter the total number of including any attachment | pages of the attached conveyance documents. | t # 3 |
| Application Nu | mber(s) or Patent Nun | aber(s) | f additional numbers attached |
| Enter either the | e Patent Application Number o | of the Patent Number (DO NOT ENTER BOTH nur | 1 |
| F | Application Number(s) | Paten | at Number(s) |
| 09/796,028 | | | |
| | | | |
| | | | |
| | | | Month Day Year |
| If this document is bei signed by the first nam | ng filed together with a <u>new</u> Paten ned executing inventor. | t Application, enter the date the patent application was | |
| Patent Coopera | ation Treaty (PCT) | non [| There is a second of the secon |
| | PCT application number | PCT PCT | PCT |
| | a U.S. Application Number theen assigned. | PCT PCT | PCT |
| Number of Pro | perties Enter the t | otal number of properties involved. # | 1 |
| Fee Amount | Fee Amount | for Properties Listed (37 CFR 3.41): \$ | 40.00 |
| Method o Deposit A | f Payment: account | Enclosed X Deposit Account |] |
| (Enter for | payment by deposit account o | r if additional fees can be charged to the account. | .) |
| | | Deposit Account Number: # | 13 - 0019 |
| | Auth | norization to charge additional fees: | Yes X No |
| Statement and | d Signature | | |
| | | belief, the foregoing information is true | |
| | | e original document. Charges to deposit | t account are authorized, as |
| indicated | d herein. | | / / |
| DAVID M. TH Name of | IMMIG, Reg. No. 36,034 Person Signing | 4 (Shord 7. Signature | 5/7/01 Date |

12814066.1 50201 934C 01711936

receipt of which is hereby acknowledged,

ASSIGNORS:

invention

Inventor(s) or person(s) or entity(ies) who own the

| orney's Docket No. <u>01711936</u> | | PATENT | |
|---|--------------|---|-----|
| | For: For: | X U.S. and/or ☐ Foreign Rights X U.S. Application or ☐ U.S. Provisional Application ☐ U.S. Patent | |
| | For: By: | ☐ PCT Application X Inventor(s) or ☐ Present Owner | |
| ASSIG | NMEN' | T OF INVENTION | |
| In consideration of the payment by ASS of which is hereby acknowledged, | SIGNEI | E to ASSIGNORS of good and valuable consideration, | the |
| NORS: | | | |
| or(s) or person(s) or s) who own the | | r print name(s) of first ASSIGNOR) | |
| n | <u>Spita</u> | Address | |
| | D-93 | 3138 Lappersdorf, Germany | |
| | <u>Ger</u> | man Nationality | |
| | <u>Jürg</u> | gen Leimbach | |
| | (type o | or print name(s) of second ASSIGNOR) | |
| | Max | -Wissner-Str. 14 | |
| | | Address | |
| | <u>D-93</u> | 3055 Regensburg, Germany | |
| | Ger | | |
| | | Nationality | |
| | | to whom invention was previously assigned l in PTO, add the following) | |
| Recorded on | | ReelFrame | |
| sells, assigns and transfers to | | | |

| hereby sells, assigns and transfers to | |
|--|---|
| ASSIGNEE: | Mannesmann VDO AG (type or print name(s) of ASSIGNOR(S)) |
| | Kruppstraße 105 Address |
| | D-60388 Frankfurt am Main, GERMANY |

and the successors, assigns and legal representatives of the ASSIGNEE

🖾 the entire right, title and interest, in and to any and all improvements which are disclosed in the invention

Page 1 of 3

| enti | tled: | NAVIGATION METHOD USING A SMALL VOLUME OF DATA |
|--------|------------|---|
| and w | hich is fo | (Name of Invention) und in (37 C.F.R. §3.21) |
| (a) | | U.S. patent application executed on even date herewith |
| (b) | ⊠ | U.S. patent application executed on, 2001. |
| | ⊠ | To comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an ASSIGNOR signing below, |
| | | hereby authorize and request my attorney to insert the filing date and application number when |
| | | they become known. |
| (c) | Ø | U.S. application no.09/79,6028 |
| | | filed on2/28/2001 |
| (d) | | International application no. |
| (e) | | U.S. patent no issued |
| | | ☐ A change of address to which correspondence is to be sent regarding patent maintenance |
| | | fees is being sent separately. |
| (f) | | and any legal equivalent thereof in a foreign country, including the right to claim priority. |
| and, i | n and to, | all Letters Patent to be obtained for said invention by the above application or any continuation, |
| divisi | on, renew | ral, or substitute thereof, and any reissue or re-examination thereof. |
| | ASSIG | NOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be |
| made | or entere | d into which would conflict with this assignment. |
| | ASSIG | NOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all |
| pertir | nent facts | and documents relating to said invention and said Letters Patent and legal equivalents as may be |
| know | n and acc | essible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding |
| relate | ed thereto | and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, |
| instru | iments or | affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention |
| and s | aid Letter | s Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes |
| there | of. | |
| | IN WI | TNESS WHEREOF, I/We have hereunto set hand and seal as executed below. |
| | WARN | ING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above. |
| Data | 19. | 03.01 Zut Din |
| Date | | Signature of ASSIGNOR(S) |
| | | |
| Date | 19.0 | 13.01 Juny Comme |
| | | Signature of ASSIGNOR(S) |

Page 2 of 3

| (type or print the name of the above person authorized behalf of ASSIGNOR) |
|--|
|--|

(If ASSIGNOR is a legal entity, complete the following information)

Page 3 of 3 **RECORDED: 05/07/2001**