| 3160 OIPE  | Docket No.: P-2261, F-162   |
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| ORM PTO-1595 (Modified)<br>Nev. 6-93)<br>MB No. 0651-0011 (exp. 4/94)<br>opyrig:   | 1-2000 SET U.S. DEPARTMENT OF COMME<br>Patent and Trademark C   |
| Tab settings + + +   |   |
|  | e attached original documents or copy there   |
| 1. Name of conveying party(ies):   | 2. Name and address of receiving party(ies):  |
| NIPPON AIR BRAKE CO., LTD.   | Name: BOSCH BRAKING SYSTEMS CO., LTD.   |
|  | Address: 6-7, Shibuya 3-chome,  |
| Additional names(s) of conveying party(ies)  | o Shibuya-ku, Tokyo, 150-0002   |
| 3. Nature of conveyance:   |   |
| X Assignment   |   |
| Security Agreement Change of Nam   | e City: State/Prov.:  |
| Other  | Country: JAPAN ZIP:   |
| Execution Date: December 24, 1999  |   |
| Execution Date. Secondol 21, 1999  | Additional name(s) & address(es)  |
| Patent Application No. Filing date   | Cation, the execution date of the application is:<br>B. Patent No.(s)<br>5,207,486  |
|  | B. Patent No.(s)<br>5,207,486   |
| Additional num   | B. Patent No.(s)<br>5,207,486<br>mbers Yes 2 No   |
|  | B. Patent No.(s)<br>5,207,486   |
| Additional nur<br>5. Name and address of party to whom correspondence  | B. Patent No.(s)<br>5,207,486<br>mbers Yes Yes No<br>6. Total number of applications and patents involved: 1  |
| Additional num<br>5. Name and address of party to whom correspondence<br>concerning document should be mailed:   | B. Patent No.(s)   5,207,486   mbers Yes   Yes No   6. Total number of applications and patents involved: 1   7. Total fee (37 CFR 3.41):\$ 40.00   |
| Additional num<br>5. Name and address of party to whom correspondence<br>concerning document should be mailed:<br>Name:  | B. Patent No.(s)<br>5,207,486<br>mbers Yes Yes No<br>6. Total number of applications and patents involved: 1  |
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| Additional num<br>5. Name and address of party to whom correspondence<br>concerning document should be mailed:<br>Name:  | B. Patent No.(s)   5,207,486   mbers Yes 🔄 No   6. Total number of applications and patents involved: 1   7. Total fee (37 CFR 3.41):\$ 40.00 1   Enclosed - Any excess or insufficiency should be credited or debited to deposit account   |
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| Additional number   5. Name and address of party to whom correspondence concerning document should be mailed:   Name: James P. Ryther   Registration No. 20,424   Address: Piper Marbury Rudnick & Wolfe   P.O. Box 64807 10/2000 JSHABAZZ 00000417 5207486   FC:581 40.00 OP   City: Chicago  | B. Patent No.(s)   5,207,486   mbers Yes 🔄 No   6. Total number of applications and patents involved: 1   7. Total fee (37 CFR 3.41):\$ 40.00   Image: Second sec  |
| Additional number   5. Name and address of party to whom correspondence concerning document should be mailed:   Name: James P. Ryther   Registration No. 20,424   Address: Piper Marbury Rudnick & Wolfe   P.O. Box 64807 10/2000 JSHABAZZ 00000417 5207486   FC:581 40.00 OP   City: Chicago   Yes.A. ZIP:   60664-0807   | B. Patent No.(s)<br>5,207,486<br>mbers Yes No<br>6. Total number of applications and patents involved: 1<br>7. Total fee (37 CFR 3.41):\$ 40.00<br>2 Enclosed - Any excess or insufficiency should be<br>credited or debited to deposit account<br>x Authorized to be charged to deposit account<br>8. Deposit account number:<br>18–2284   |
| Additional number   5. Name and address of party to whom correspondence concerning document should be mailed:   Name: James P. Ryther   Registration No. 20,424   Address: Piper Marbury Rudnick & Wolfe   P.O. Box 64807 10/2000 JSHABAZZ 00000417 5207486   FC:581 40.00 OP   City: Chicago   Yes.A. ZIP:   60664-0807   | B. Patent No.(s)   5,207,486   mbers Yes   Yes No   6. Total number of applications and patents involved: 1   7. Total fee (37 CFR 3.41):\$ 40.00 1   Xend Enclosed - Any excess or insufficiency should be credited or debited to deposit account 1   Xend Authorized to be charged to deposit account 1   8. Deposit account number: 1  |
| Additional num<br>5. Name and address of party to whom correspondence<br>concerning document should be mailed:<br>Name:James P. Ryther<br>Registration No20,424<br>Address:Piper Marbury Rudnick & Wolfe<br>P.O. Box 64807<br>10/2000 JSHABAZZ 00000417 5207486<br>FC:581  | B. Patent No.(s)   5,207,486   mbers Yes 3 No   6. Total number of applications and patents involved: 1   7. Total fee (37 CFR 3.41):\$ 40.00 3   Enclosed - Any excess or insufficiency should be credited or debited to deposit account 1   XX Authorized to be charged to deposit account 1   8. Deposit account number: 18-2284   DNOT USE THIS SPACE 1   |
| Additional num   5. Name and address of party to whom correspondence concerning document should be mailed:   Name: James P. Ryther   Registration No. 20,424   Address: Piper Marbury Rudnick & Wolfe   P.O. Box 64807   10/2000 JSHABAZZ 00000417 5207486   FC:581 Chicago   Country: U.S.A.   ZIP: 60664-0807   Do   Statement and signature. To the best of my knowledge and belief, the foregoing in the foregoing in the set of my knowledge and belief, the foregoing in the set of my knowledge and belief. | B. Patent No.(s)   5,207,486   mbers Yes 3 No   6. Total number of applications and patents involved: 1   7. Total fee (37 CFR 3.41):\$ 40.00 3   Enclosed - Any excess or insufficiency should be credited or debited to deposit account 1   XX Authorized to be charged to deposit account 1   8. Deposit account number: 18-2284   DNOT USE THIS SPACE 1   |
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| Additional num   5. Name and address of party to whom correspondence concerning document should be mailed:   Name: James P. Ryther   Registration No. 20,424   Address: Piper Marbury Rudnick & Wolfe   P.O. Box 64807   10/2000 JSHABAZZ 00000417 5207486   FC:581 Chicago   Country: U.S.A.   ZIP: 60664-0807   Do   Statement and signature. To the best of my knowledge and belief, the foregoing in the foregoing in the set of my knowledge and belief, the foregoing in the set of my knowledge and belief. | B. Patent No.(s)   5,207,486   mbers Yes 3 No   6. Total number of applications and patents involved: 1   7. Total fee (37 CFR 3.41):\$ 40.00 3   Enclosed - Any excess or insufficiency should be credited or debited to deposit account xx Authorized to be charged to deposit account   8. Deposit account number: 18-2284   DNOT USE THIS SPACE 1   |

| Assignment of United States Patent<br>(Single assignor; single assignee)   |             |  | Docket No.<br><b>P2261,</b> F-162 |              |  |
|--|-------------|--|-----------------------------------|--------------|--|
| U.S. Patent No.  | Issue Date  | Application Serial No.                                   |                                   | Filing Date  |  |
| 5,207,486  | May 4, 1993 | 07/846,292 March 3                                       |                                   | March 3 1992 |  |
| Title of Invention: BRAKING SYSTEM FOR VEHICLE   |             |  |                                   |              |  |
| Owner of Record (hereinafter "Assignor")   |             | Residence or Principal Place of Business of Assignor     |                                   |              |  |
| Nippon Air Brake Co., Ltd.   |             | 1-46, Wakinohama-kaigandori,<br>Chuo-ku, Kobe-shi, Japan |                                   |              |  |
| Assignee   |             | Residence or Principal Place of Business of Assignee     |                                   |              |  |
| Bosch Braking Systems Co   | )., Ltd.    | 6-7 Shibuya 3-chome, Shil<br>Tokyo, 150-0002, Japan      | buya-k                            | u,           |  |
| Whereas, the above-identified Assignor is the sole owner of record of the above-identified United States Patent, and;<br>Whereas, the above-identified Assignee is desirous of acquiring the entire right, title and interest in the same; |             |  |                                   |              |  |

Now, therefore, in consideration of the sum of One

dollars (\$

1.00 ), and other good and valuable consideration, the receipt whereof is hereby acknowledged, Assignor, by these presents does sell, assign and transfer unto said Assignee the entire right, title and interest in and to said Patent; the same to be held and enjoyed by said Assignee for its own use and behoof, and for its legal representatives and assigns, to the full end of the term for which said Patent is granted, as fully and entirely as the same would have been held by Assignor had this assignment not been made.

Executed this 24 tr. day of Jocerver at 2-21, irogaal-fort, 2-choke, JEUG-EL, ACOO, Japan

in the year 1999

Signature of Assignor stenatory if Assignor is a corporation, partnership or association)

Shigeru (da fitle: Presilent Date: 2+tu. December 1990

Witnessed by: H. Nak

AS01A/REV01

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**RECORDED: 03/16/2000**