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1. Name of conveying party(ies): Takehiko SUZUKI, Satoru WAKUTA and Kazuo TAKEMOTO Additional names(s) of conveying party(ies) Yes No

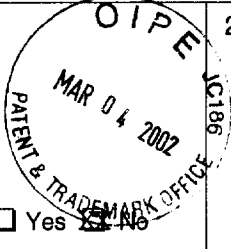
3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: January 22 & 25, 2002

4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/012,361 B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed: Name: George A. Loud, Esquire Internal Address: LORUSSO & LOUD Street Address: 3137 Mount Vernon Avenue 03/07/2002 DBYRNE 00000187 10012361 01 FC:581 Alexandria State: VA ZIP: 22305

2. Name and address of receiving party(ies): Name: AISIN AW CO., LTD. Internal Address: Street Address: 10, Takane, Fujii-cho, Anjo-shi, Aichi-ken, 444-1192, JAPAN City: State: ZIP: Additional name(s) & address(es) attached? Yes No

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$ 40.00 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account 8. Deposit account number:



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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. George A. Loud, Reg. No. 25,814 Name of Person Signing Signature Date 04 MARCH 2002 Total number of pages including cover sheet, attachments, and document: 3 PATENT

ASSIGNMENT

WHEREAS, we, Takehiko SUZUKI, Satoru WAKUTA and Kazuo TAKEMOTO of, c/o AISIN AW CO., LTD., 10, Takane, Fujii-cho, Anjo-shi, Aichi-ken, 444-1192, Japan have invented certain improvements in "CONTROL APPARATUS OF HYBRID VEHICLE" set forth in an application for Patent of the United States; and

WHEREAS, AISIN AW CO., LTD., 10, Takane, Fujii-cho, Anjo-shi, Aichi-ken, 444-1192, Japan is desirous of acquiring an interest therein;

NOW THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, WE, Takehiko SUZUKI, Satoru WAKUTA and Kazuo TAKEMOTO by these presents do sell, assign and transfer unto AISIN AW CO., LTD., its successors, legal representatives, heirs and assigns, the full and exclusive right, title and interest in the United States of America said application executed on the ____ day of _____, (and we hereby authorize our attorneys, authorized to prosecute said application, to here insert the filing date and serial number of said application, when known: Serial No. 10/012,361 Filed December 12, 2001) to all Patents in the United States which may be granted on said application, to all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Patent, all applications for Patent and all Patent therefor, to be held and enjoyed by AISIN AW CO., LTD., for its use and behoof and for its legal representatives, successors, heirs, and assigns, to the full end of the term for which said Patent are granted and any extensions thereof, as fully and entirely as the same would have been

held by ourselves had this assignment and sale not been made; and for the same consideration, we hereby covenant and agree that, at the time of execution and delivery of this instrument, we hold good and full right and lawful authority to sell and convey the application for Patent above mentioned in the manner herein set forth; and for the same consideration we hereby covenant and agree that we will, whenever counsel of AISIN AW CO., LTD., or the counsel of its successors, legal representatives, heirs or assigns, shall advise that any proceeding in connection with said application for Patent, or any proceeding in connection with Patent in the United States, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Patent, or any reissue or extension of any Patent 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 said Patent, without charge to ourselves, our successors, legal representatives, heirs and assigns, but at the cost and expense of AISIN AW CO., LTD., its successors, legal representatives, heirs and assigns; and we hereby request the Commissioner of Patents to issue said Patent to AISIN AW CO., LTD., as assignee thereof.

Takehiko Suzuki January 25, 2002
 Takehiko SUZUKI date

Satoru Wakuta January 22, 2002
 Satoru WAKUTA date

Kazuo Takemoto January 25, 2002
 Kazuo TAKEMOTO date