Docket No.: 5702-00003 (GIO-003-US) 08-24-2001 FORM PTO-1595 (Modified) EET U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Patent and Trademark Office Copyright 1994-97 LegalStar P08/RFV02 Tab settings 🔷 🔷 💠 To the Honorable Commissioner of Patents and Trademarks. mease record the attached original documents or copy thereof. Name of conveying party(ies): Name and address of receiving party(ies): Takasi Furusawa, Josef Heinle & Paresh S. Khandhadia Name: Automotive Systems Laboratory, Inc. Internal Address: Additional names(s) of conveying party(ies) 🗌 Yes 🗶 No Nature of conveyance: Street Address: 27200 Haggerty Road, Suite B-12 Assignment Merger Change of Name Security Agreement City: Farmington Hills ZIP: 48331 State: MI Other Execution Date: Nov. 21, 2000 & July 13, 2001 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) B. Patent No.(s) 09/642,168 Additional numbers attached? Yes 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Laurence C. Begin 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account Street Address: 755 West Big Beaver Rd. 8. Deposit account number: 08/24/2001 GTON11 00000041 09642168 04-1131 01 FC:581 40.00 DP City: Troy State: MI ZIP: 48084 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

Laurence-

Signature

of the original document.

Name of Person Signing

Laurence C. Begin

PATENT REEL: 012089 FRAME: 0076

August 16, 2001

Date

ASSIGNMENT

WHEREAS, We <u>Takasi Furusawa</u> of <u>Tsukiji 7-4-4-503 Chuo-ku</u>, <u>Tokyo</u>, <u>Japan</u>, <u>Josef Heinle</u> of Leitiweg 2, 89335 Ichenhausen, Germany, and Paresh S. Khandhadia of 6697 Redford Circle, Troy, Michigan 48098 hereinafter referred to as (the) Assignors, have invented:

AIRBAG INFLATOR WITH EXTERNAL FILTER

for which an application for United States Letters Patent was executed on July (3, 200), (and We hereby authorize our attorneys, authorized to prosecute said application, to here insert the filing date and serial number of said application as soon as it is because of said application. of said application, as soon as it is known, Serial No. 09/642, 169, filed 8/18/00), and

WHEREAS, Automotive Systems Laboratory, Inc., a Michigan corporation, having a place of business at 27200 Haggerty Road, Suite B-12, Farmington Hills, Michigan 48331, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in, to and under the said invention and the said application;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, Assignors by these presents do sell, assign and transfer unto said Assignee, and its successors in interest, legal representatives and assigns, the full and exclusive right, title and interest in, to and under the said invention as described in the specification preparatory to obtaining Letters Patent of the United States of America therefor, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent therefor, to be held and enjoyed by Assignee, to the full end of the term for which said Letters Patent are granted and any extensions and reissues thereof, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States, and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of said application for Letters Patent of the United States which are created by any law, treaty or international convention, as fully and entirely as the same would have been held by me had this assignment and sale not been made; and

We hereby request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all letters Patent to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

And, the Assignors hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution for Letters Patent of the United States of America and all foreign countries on, for litigation regarding, or for the purpose of protecting title to the said inventions or any Letters Patent therefor for the benefit of the Assignee, it's successors, legal representatives and assigns, without further or other compensation than that set forth hereinabove;

And, the Assignors hereby covenants that We have free right to convey the entire interest herein assigned, and that I have not executed, and will not execute any agreement We conflict herewith.

Takasi Furusawa

State of Muchigan: ss County of Nt. Clair:

On this <u>31</u> day of <u>Manuera</u>, <u>2000</u> before me personally appeared **Takasi Furusawa**, to me personally known as the individual who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

Notary Public

County St. C. PATENT

My commission expires

REEL: 012089 FRAME: 0077

S 1029 State of Bavaria: ss County of Gueuzburg:	Josef Heinle
On this 13 day of 701, be personally known as the individual who executed the foregoin executed the purpose therein,	ng instrument and who acknowledged to me that he is set forth. Notary Public
<u></u>	My commission expires life (e my
State of Mechegan: ss County of At Clair:	l
On this <u>21</u> day of <u>Occurrence</u> , <u>20</u> C Khandhadia, to me personally known as the individual acknowledged to me that he executed the same of his own free	who executed the foregoing instrument and who
	Margaret Soretta Steins Notary Public
(seal)	County & & Commission expires from 42000

PATENT REEL: 012089 FRAME: 0078

TRANSMITTAL LETTER (General - Patent Pending)		Docket No. 5702-00003 (GIO-003-US)		
In Re Application Of: Takasi Furusawa, Josef Heinle & Paresh S. Khandhadia				
Serial No. 09/642,168	Filing Date August 18, 2000	Examiner	Group Art Unit 3618	
Title: Airbag Inflator w	ith External Filter			
TO THE ASSISTANT COMMISSIONER FOR PATENTS:				
Transmitted herewith is: Executed Assignment Recordation Cover She Postcard Check for \$40.00 Check				
 in the above identified application. □ No additional fee is required. ☑ A check in the amount of \$40.00 is attached. ☑ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 04-1131 as described below. A duplicate copy of this sheet is enclosed. □ Charge the amount of ☑ Credit any overpayment. ☑ Charge any additional fee required. 				
Laurense s	gnature grant	Dated: August 16, 2001		

Laurence C. Begin (Reg. No. 42,310) Dinnin & Dunn, P.C.

RECORDED: 08/20/2001

755 West Big Beaver Rd. Troy, Michigan 48084 I certify that this document and fee is being deposited on August 16, 2001 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 2023

Signature of Person Mailing Correspondence

Lisa Steward

Typed or Printed Name of Person Mailing Correspondence

CC:

PATENT REEL: 012089 FRAME: 0079