

03-05-2004



HEET

U.S. Department of Commerce  
Patent and Trademark Office

OUR FILE TRW(TE)6896

t t

To the Honorable Commissioner

102686145

the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Yun Luo; Jon K. Wallace; and  
Farid Khairallah

2/24/04

Additional name(s) of conveying party(ies) attached ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: February 20, 2004

## 2. Name and address of receiving party(ies)

Name: TRW Automotive U.S. LLC

Internal Address: \_\_\_\_\_

Street Address: 12025 Tech Center Drive

City: Livonia State: MI Zip: 48150

Additional name(s) and address(es) attached? ☐ Yes ☒ No

## 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 February 20, 2004

## A. Patent Application No.(s)

3/01/2004 DTESEM1 00000034 10785278

FC:8021

40.00 DP

## B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

10785278

5. Name and address of party to whom  
correspondence concerning document  
should be mailed:

Name: Barry L. Tummino

Internal Address: Tarolli, Sundheim, Covell,

&amp; Tummino L.L.P.

Street Address: 526 Superior Avenue, Suite 1111

City: Cleveland State: Ohio Zip: 44114-1400

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41).....\$40.00

- ☒ Enclosed is a check for the amount indicated above.  
☐ Authorized to be charged to deposit account.

## 8. Deposit Account No.

20-0090 (charge for insufficient fees only)

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE 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

Barry L. Tummino

Name of Person Signing

Reg. No. 29,709

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail Documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington D.C. 20231

## ASSIGNMENT

WHEREAS, we, Yun Luo, Jon K. Wallace, and Farid Khairallah, of Livonia, County of Wayne, and State of Michigan; of Redford, County of Wayne, and State of Michigan; and of Farmington Hills, County of Oakland, and State of Michigan respectively, have made new and useful improvements in **METHOD AND APPARATUS FOR ARBITRATING OUTPUTS FROM MULTIPLE PATTERN RECOGNITION CLASSIFIERS**;

WHEREAS, TRW Automotive U.S. LLC, a limited liability company duly organized and existing under the laws of the State of Delaware, having a place of business at Livonia, County of Wayne, State of Michigan, is desirous of acquiring the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

NOW THEREFORE, BE IT KNOWN that for valuable considerations to us paid, the receipt whereof is hereby acknowledged, we, the said Yun Luo, Jon K. Wallace, and Farid Khairallah do hereby assign, sell and set over unto the said TRW Automotive U.S. LLC its successors or assigns, the entire right, title and interest in and to the said improvements and any and all inventions pertaining thereto, the application for United States patent executed by us respectively on the 20<sup>th</sup> day of Feb 2004, 20<sup>th</sup> day of Feb 2004, and the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, all patents therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and we hereby request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said TRW Automotive U.S. LLC its successors or assigns; and we further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said TRW Automotive U.S. LLC its successors or assigns in order to fully secure, protect and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said TRW Automotive U.S. LLC its successors or assigns.

Signed at Farmington Hills  
County of Oakland and State of Michigan  
This 20<sup>th</sup> day of Feb, 2004.

Yun Luo  
Yun Luo

STATE OF Michigan )  
COUNTY OF Oakland )

On this 20<sup>th</sup> day of Feb, 2004.  
Personally appeared before me Yun Luo to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

BARBARA HULME  
NOTARY PUBLIC OAKLAND CO., MI  
MY COMMISSION EXPIRES Feb. 6, 2006

Barbara Hulme  
Notary Public

Signed at Farmington Hills  
County of Oakland and State of MI  
This 20th day of Feb, 2004

Jon K. Wallace  
Jon K. Wallace

STATE OF Michigan )  
COUNTY OF Oakland )

On this 20th day of Feb, 2004

Personally appeared before me Jon K. Wallace to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

BARBARA HULME  
NOTARY PUBLIC OAKLAND CO., MI  
MY COMMISSION EXPIRES Feb. 6, 2006

Barbara Hulme  
Notary Public

Signed at Farmington Hills  
County of OAKLAND and State of MICHIGAN  
This 20th day of Feb, 2004

Farid Khairallah  
Farid Khairallah

STATE OF Michigan )  
COUNTY OF Oakland )

On this 20th day of Feb, 2004

Personally appeared before me Farid Khairallah to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

BARBARA HULME  
NOTARY PUBLIC OAKLAND CO., MI  
MY COMMISSION EXPIRES Feb. 6, 2006

Barbara Hulme  
Notary Public