

09-21-2001

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

Tab settings T T T



101850784

2 SHEET

U.S. Department of Commerce
Patent and Trademark Office

OUR FILE TRW(FAS)5740

t t

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Vu Le

Thomas Dippel

09/13/01

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

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: 9-5-01 & 8-30-01

2. Name and address of receiving party(ies)

Name: TRW Inc.

Internal Address:

Street Address: 1900 Richmond Road

City: Lyndhurst State: OH Zip: 44124

Additional name(s) and address(es) attached? ☐ Yes ☐ NoU.S. PTO
09/25/01
09/13/01

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 9-5-01 & 8-30-01

A. Patent Application No.(s)

09/951851

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No5. Name and address of party to whom
correspondence concerning document
should be mailed:

Name: THOMAS L. TAROLLI, ESQ.

Internal Address: Tarolli, Sundheim, Covell,

Tummino & Szabo L.L.P.

1111 Leader Building

Street Address: 526 Superior Avenue

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☐ Authorized to be charged to deposit account.

8. Deposit Account No.

20-0090

(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

THOMAS L. TAROLLI

Name of Person Signing

Reg. No. 20,177

Signature

9-13-01

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

09/17/2001 EFLDRES 00000052 09951851

02 FC:581

40.00 DP

PATENT
REEL: 012173 FRAME: 0230

ASSIGNMENT

WHEREAS, we, Vu Le and Thomas Dippel, of Huntington Woods, County of Oakland, and State of Michigan; of Neuheimsbach, Country of Federal Republic of Germany, respectively, have made new and useful improvements in **TORQUE BALANCING APPARATUS AND METHOD FOR AN AUTOMOTIVE TEMPERATURE CONTROL SYSTEM**;

WHEREAS, TRW Inc., a corporation duly organized and existing under the laws of the State of Ohio, having a place of business at Lyndhurst, County of Cuyahoga, State of Ohio, 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 Vu Le and Thomas Dippel, do hereby assign, sell and set over unto the said TRW Inc. 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 5th day of September 2001, and the 27th day of AUGUST 2001, 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 Inc. 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 Inc. 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 Inc. its successors or assigns.

Signed at
County of Oakland
This 5th

and State of Michigan
day of September, 2001.


Vu Le

STATE OF Michigan)
)
COUNTY OF Macomb)

SS:

On this 5th day of September, 2001.
Personally appeared before me Vu Le 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.



Notary Public
NOTARY PUBLIC, MACOMB CO., MI
MY COMMISSION EXPIRES JUL 19, 2004

PATENT

REEL: 012173 FRAME: 0231

Signed this

TWENTY SEVENTH

day of *AUGUST*

, 200*1*.



Thomas Dippel



Witness