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To the Honorable Commissioner of Pa

101947930

attached original documents or copy thereof.

1. Name of conveying party(ies):

David H. Lewis, Jr.

John J. Waypa

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

Name: TRW Inc.

Internal Address: Law Department, E2/6051

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Street Address: One Space Park

City: Redondo Beach State: CA ZIP: 90278

Execution Date: September 10, 2001

Additional name(s) & 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: September 5, 2001

A. Patent Application No.(s)

B. Patent No.(s)

09/948,034

Additional numbers attached? ☐ Yes ☒ No

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

Name: TRW Inc., Patent Counsel

Internal Address: Law Department, E2/6051

Street Address: One Space Park

City: Redondo Beach State: CA ZIP: 90278

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 number:

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

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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.

Noel F. Heal

Name of Person Signing

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(Form PTO-1595--Recordation Form Cover Sheet - page 1 of 3)

PATENT
REEL: 012453 FRAME: 0269

ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we David H. Lewis, Jr. and John J. Waypa respectively, of Irvine, California and Rancho Palos Verdes, California do hereby sell and assign to TRW Inc., One Space Park, Redondo Beach, California, an Ohio corporation, its successors and assigns, the entire right, title and interest in and to the improvements in VOLUMETRIC MICRO BATTERIES which has been invented by us, as described in the application for United States Patent which we executed respectively, on September 10, 2001, and September 10, 2001, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations, and extensions thereof, and the right to claim the priority date of the first filed application in the United States, and authorize and request any official whose duty it is to issue patents, to issue any patent on said improvements or resulting therefrom to said TRW Inc., or its successors or assigns, and agree that on request and without further consideration, but at the expense of TRW Inc., we will communicate to TRW Inc. or its representatives or nominees any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and generally do everything possible to aid TRW Inc., its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

Sept 10, 2001

Inventor:

David H. Lewis, Jr.
David H. Lewis, Jr.

Sept 10, 2001

Inventor:

John J. Waypa
John J. Waypa

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On September 10, 2001 before me, Lynn E. Cabiles
personally appeared David H. Lewis, Jr.
~~personally known to me~~ ~~or~~ X proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that (he) ~~she~~ executed the same in
(his) ~~her~~ authorized capacity, and that by (his) ~~her~~ signature on the
instrument the person, or the entity upon behalf of which the person acted,
executed the instrument.



WITNESS my hand and official seal.

Lynn E. Cabiles
Notary Public

(SEAL)

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On September 10, 2001 before me, Lynn E. Cabiles
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Lynn E. Cabiles
Notary Public

(SEAL)