

08-16-2001



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Form PTO-1595
(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

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101814613

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

1. Name of conveying party(ies):

David M. McCall
Algernon S. Badger

08/13/01

2. Name and address of receiving party(ies)

Name: Input/Output, Inc.

Internal Address: _____

12300 Charles E. Selecman Dr.

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: Same

City: Stafford State: Texas Zip: 77477

Execution Date: August 7, 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: _____

A. Patent Application No.(s)
09/847,458

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Randall W. Schwartz

Internal Address: Input/Output, Inc.

12300 Charles E. Selecman Dr.

Street Address: Same

City: Stafford State: Texas Zip: 77477

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:

50-1372

(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.

Randall W. Schwartz, Reg. No. 46,482

Name of Person Signing

Randall W. Schwartz
Signature

August 8, 2001

Date

Total number of pages including cover sheet, attachments, and documents: 6

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

PATENT
REEL: 012065 FRAME: 0688

09/07/458
MUELLER 0000062 501372
40.00 CH
08/16/2001 01 FC:581

ASSIGNMENT

Whereas We, David M. McCall, and Algernon S. Badger, of Richmond, TX, and East Bernard, TX,

have made a certain new and useful invention relating to

APPARATUS AND METHOD FOR ELIMINATING ELECTRICAL NOISE IN THE FIRE DETECT TIMING SIGNAL OF AN AIR GUN

for which we have executed an application for Letters Patent of the United States of America, which application is identified in the United States Patent and Trademark Office as Serial No. 09/847,458, filing date 05/02/2001; and

Whereas INPUT/OUTPUT, INC.

of 12300 Charles E. Selecman Dr., Stafford, Texas 77477, U.S.A.,

the Assignee, is desirous of acquiring the entire right, title, and interest in and to the invention, the patent application, and the Letters Patent to be obtained therefor:

Now, therefore, for and in consideration of One Dollar, and other good and valuable considerations, paid to us, the receipt and sufficiency of which are acknowledged, we have sold, assigned, and set over and by these presents do sell, assign, and set over to the Assignee and the Assignee's legal representatives, successors, and assigns, the entire right, title, and interest in and to the invention, the patent application, the Letters Patent that may or shall issue from the patent application, and any and all divisions, continuations, continuations-in-part, reexaminations, reissues, or extensions of the patent application or Letters Patent; and we authorize and request the Commissioner of Patents and Trademarks to issue the Letters Patent to the Assignee in agreement with the terms of this assignment.

We authorize the Assignee and its agents to insert or to have inserted in this instrument the execution date and/or the filing date and serial number of our patent application.

We convey to the Assignee the right to make application in its own behalf for protection of the invention in countries foreign to the United States and to claim under the International Convention for the Protection of Industrial Property (the Paris Convention), the Patent Cooperation Treaty, and any other international arrangements for any such patent application, the date of the United States application (or other patent applications, if there be any) in priority to other patent applications; and we covenant and agree with the Assignee that we will not execute any writing or do any act conflicting with this assignment, and that we will at any time, upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and will give all necessary assistance in making application for and obtaining original, divisional, renewal, reissued, reexamined or extended Letters of Patent of the United States and of any and all foreign

countries for the invention, in enforcing any rights or choses in action accruing as a result of such patent applications or patents, for example, by executing preliminary statements and other affidavits and declarations, it being understood that this agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

In witness whereof, we have signed and sealed this assignment on August 7, 2001

David M. McCall
David M. McCall

State of Texas

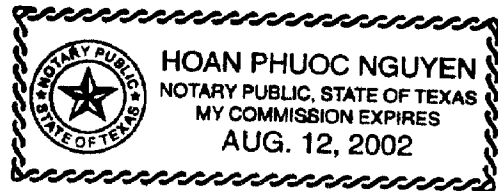
County of HARRISS

On this 7th day of AUGUST, 2001, before me, a notary public, appeared DAVID McCALL

_____, who are personally known to me to be the same persons whose names are subscribed to the foregoing instrument, and acknowledged that they signed, sealed, and delivered the instrument as their free and voluntary act.

Hoan Phuoc Nguyen
Notary Public

My commission expires AUGUST 12/2002



In witness whereof, we have signed and sealed this assignment on AUGUST 6, 2001

Algernon S. Badger
Algernon S. Badger

State of Texas

County of HARRIS

On this 6th day of AUGUST, 2001, before me, a notary public,
appeared ALGERNON S. BADGER

_____, who are personally known to me to be the same persons
whose names are subscribed to the foregoing instrument, and acknowledged that they signed,
sealed, and delivered the instrument as their free and voluntary act.

Hoan Phuoc Nguyen
Notary Public

My commission expires AUG. 12, 2002

