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ASSIGNMENT OF INVENTION

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNOR:

	Muhammad A. Hawwa, Ph.D. FIRST NAMED INVENTOR
	<u>2000 Walnut Avenue</u> Address
	Fremont, California 94538
hereby sell, assign and transfer to	X
ASSIGNEE:	Read-Rite Corporation ASSIGNEE
	<u>44100 Osgood Road</u> Address
	Fremont, California 94539
	USA

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

[X] the entire right, title and interest

[] an undivided ______ percent (_____%) interest for the United States and its territorial possessions

[X] and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled: <u>Piezoelectric Actuated Optical Switch</u>

Name of inventor(s) Muhammad A. Hawwa, Ph.D.

and which is found in (37 C.F.R. § 3.21)

- (a) [x] U.S. patent application executed on even date herewith
- (b) [] U.S. patent application executed on _____
- (c) [] U.S. provisional application naming the above inventor(s) for the above-entitled invention.
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(e) [] International application no. PCT/____/

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and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSICNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 6/15/01

M.A. Hawwa

Signature of Muhammad A. Hawwa, Ph.D.

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