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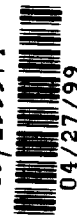


To the Honorable
Please record the att

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atents:
copy thereof.

jc520 U.S. PRO
09/299974



1. Name of conveying party(ies):
 1. Steven L. Flickinger
 2. William L. Herb
 3. Scott E. Schaeffer
 4. Richard D. Miller
2. Name and address of receiving party(ies):

The Whitaker Corporation
4550 New Linden Hill Road
Suite 450
Wilmington, DE 19808-2952

3. Nature of conveyance: ASSIGNMENT

Execution Date: 1, 2 and 4: April 15, 1999 3: April 20, 1999

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): 09/200,088
B. Patent No.(s):

Filing Date: November 25, 1998

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

Jack C. Goldstein
The Whitaker Corporation
4550 New Linden Hill Road
Suite 450
Wilmington, DE 19808-2952
6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41) \$40
AUTHORIZED TO BE CHARGED TO DEPOSIT ACCOUNT
8. Deposit Account #23-1950

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.

Total number of pages including cover sheet, attachments, and document: 4

Robert Kapalka
Robert J. Kapalka
Registration No. 34198
Attorney for Applicant(s)
Phone: (302) 633-2771
Date: April 27, 1999

Express Mail No. EL043941377US
Docket No. 17437

05/07/1999 DMGUYEN 00000219 231950 09299974
01 FC:581 40.00 CH

Docket No. 17437

ASSIGNMENT

I/We, (1) Steven L. Flickinger, (2) William I. Herb, (3) Scott E. Schaeffer, and (4) Richard D. Miller,

who reside at

- (1) 7107 Fox Meadow Drive, Hummelstown, PA 17036
- (2) 451 Rupp Hill Road, Harrisburg, PA 17111
- (3) 2333 Forest Hills Drive, Harrisburg, PA 17112
- (4) 1209 Empire Circle, Lancaster, PA 17601

have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

SIGNAL DETECT CIRCUITRY FOR A PASSIVE GBIC MODULE

which application was executed by the inventor on the date of execution of this assignment, and is identified by The Whitaker Corporation File Number 17437,

and The Whitaker Corporation

whose address is 4550 New Linden Hill Road, Suite 450, Wilmington, DE 19808

and which, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.

Now, therefore, for valuable consideration furnished by Assignee to me/us, receipt and sufficiency of which I/we hereby acknowledge, I/we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my/our name(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I/we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I/we have good right to assign the same to Assignee without encumbrance;

5. Bind my/our heirs and legal representatives, as well as myself/ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to me/us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me/us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my/our control or in the control of my/our heirs or legal representatives and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature(s), hereinbelow.

In testimony whereof I/we have affixed my/our signature(s).

2-20-99

(Witness)

4/15/99

(Date)

Steven L. Flickinger

(Inventor)

4-15-99

(Date)

Steven L. Flickinger

Harold W. Karl

(Witness)

4/15/99

(Date)

Don A. Mayer 4/15/99
(Witness) (Date)

Harold W. Kahi 4/15/99
(Witness) (Date)

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(Witness) (Date)

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(Witness) (Date)

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Robert L. Margoni 4-15-99
(Witness) (Date)

Joseph R. Regan 4-15-99
(Witness) (Date)

Richard D. Miller 4/15/99
(Inventor) (Date)
Richard D. Miller