To the Honorable Commissioner of Patents and Trademarks:

Please record the attached original document or copy thereof.

<table>
<thead>
<tr>
<th>Name of conveying party(ies):</th>
<th>Name and address of receiving party(ies):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clifford Hessel</td>
<td>Harris Corporation</td>
</tr>
<tr>
<td>Michael E. Kreeger</td>
<td>1025 West NASA Boulevard</td>
</tr>
<tr>
<td>Christopher D. Mackey</td>
<td>City Melbourne</td>
</tr>
<tr>
<td>Scott E. Marks</td>
<td>State Florida Zip Code 32919</td>
</tr>
<tr>
<td>Alfred W. Pitzold, III</td>
<td></td>
</tr>
<tr>
<td>Louis M. Orsini</td>
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<tr>
<td>John E. Gorton</td>
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<tr>
<td>Paul E. Vogliewede</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional name(s) of conveying party(ies) attached?</th>
<th>Additional name(s) &amp; address(es) attached?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No X</td>
<td>No X</td>
</tr>
</tbody>
</table>

Nature of conveyance:  

- X Assignment  
- ___ Security Agreement  
- ___ Merger  
- ___ Charge of Name  

Execution Date: February 22, 1999

Total number of applications and patents involved: 1

A. Patent Application No.(s) 09/184,709  
   and Filing Date(s) November 3, 1998  

B. Patent No.(s)  

Additional numbers attached?  Yes ___ No X

If this document is being filed together with a new application, the execution date of the application is:

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

Name: L. Lawton Rogers, III  
Address: ROGERS & KILLEN  
510 King Street, Suite 400  
Alexandria, Virginia 22314

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 18-1835. A duplicate of this sheet is enclosed.

Total fee (37 C.F.R. 3.41): $40.00  
X Enclosed  
___ Authorized to be charged to deposit account
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.

[Signature]

3-29-99

[Date]
ASSIGNMENT

(1-7) Insert Name(s) of Inventor(s)
(1) Clifford Hessel
(2) Michael E. Kreeger
(3) Christopher D. Mackey
(4) Scott E. Marks
(5) Alfred W. Pietzold, III
(6) Louis M. Orsini
(7) John E. Gorton

(8) Paul J. Venturini

In consideration of the sum of one dollar ($1.00) and other good and valuable considerations, the receipt of which is acknowledged by each of the undersigned, the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to

(9) Insert name of Assignee
(9) Harris Corporation

(10) Insert address of Assignee
(10) 1025 West NASA Boulevard
Melbourne, Fl. 32919

and its successors, legal representatives and assigns (hereinafter designated as the Assignee) the entire right, title and interest in the invention disclosed and/or claimed in the United States application identified below, as well as all applications for patent and any Letters Patent which may be granted therefor in the United States of America and all foreign countries, and in and to any and all divisions, continuations, continuations-in-part of said applications, or reissues or extensions of said patents or Letters Patent, and all rights under the international Convention for the Protection of Industrial Property:

(11) Insert identification of
(11) A FIELD PROGRAMMABLE RADIO FREQUENCY COMMUNICATIONS EQUIPMENT INCLUDING A CONFIGURABLE IF CIRCUIT AND METHOD THEREFOR

(Docket No. HRF Y-666)

(12) Insert date of signing of application

(13) Alternative identification for filed applications

Application Number: 09/184,709
Filed: November 3, 1998

The undersigned further agree(s) to cooperate with the Assignee in every way possible and to do all affirmative acts, and to execute all papers which counsel for Assignee shall advise are necessary and/or desirable without charge to Assignee in connection with said applications including, without limitation, the execution of separate assignments in connection with such applications, claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that he/she has (they have) full right to convey the entire interest herein assigned, and that he/she has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) to L. Lawton Rogers, III, Reg. No. 24,302 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 1/19/99 Signature of Inventor

Date ______________________ Signature of Inventor

Date 1/19/99 Signature of Inventor

PATENT REEL: 9848 FRAME: 0757
Date 1/19/99 Signature of Inventor Alfred W. Neukirch

Date 1/13/99 Signature of Inventor John E. Norton

This assignment should be signed before: (a) two witnesses; (b) a Notary Public if within the U.S.A.; or (c) a U.S. counsel if outside the U.S.A. Each witness should sign here:

Date 1/13/99 Witness Christopher Jones 1/19/99

Date 1/13/99 Witness Michael L. Miller 1/19/99
ASSIGNMENT

(1) Clifford Hessel
(2) Michael E. Kreeger
(3) Christopher D. Mackey
(4) Scott E. Marks
(5) Alfred W. Pietzold, III
(6) Louis M. Orsini
(7) John E. Gorton
(8) Evl"ewede

In consideration of the sum of one dollar ($1.00) and other good and valuable considerations, the receipt of which is acknowledged by each of the undersigned, the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to

(9) Insert name of Assignee (9) Harris Corporation
(10) Insert address of Assignee (10) 1025 West NASA Boulevard
Melbourne, FL 32901

and its successors, legal representatives and assigns (hereinafter designated as the Assignee) the entire right, title and interest in the invention disclosed and/or claimed in the United States application identified below, as well as all applications for patent and any Letters Patent which may be granted therefor in the United States of America and all foreign countries, and in and to any and all divisions, continuations, continuations-in-part of said applications, or reissues or extensions of said patents or Letters Patent, and all rights under the International Convention for the Protection of Industrial Property:

(11) Insert Identification of (11) A FIELD PROGRAMMABLE RADIO FREQUENCY COMMUNICATIONS EQUIPMENT INCLUDING A CONFIGURABLE IF CIRCUIT AND METHOD THEREFOR

Invention, such as Title, Docket Number, or Foreign Application Number (Docket No. HRF Y-666)

(12) Insert date of signing of (12) ________________ application

(13) Alternative identification for filed applications Application Number: 09/184,709
Filed: November 3, 1998

The undersigned further agree(s) to cooperate with the Assignee in every way possible and to do all affirmative acts, and to execute all papers which counsel for Assignee shall advise are necessary and/or desirable without charge to Assignee in connection with said applications including, without limitation, the execution of separate assignments in connection with such applications, claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 1/14/99 Signature of Inventor ____________________________
Michael Kreeger

Date 3/10/99 Signature of Inventor ____________________________
Christopher D. Mackey

Date 1-19-99 Signature of Inventor ____________________________
Scott E. Marks

PATENT
REEL: 9848 FRAME: 0759
This assignment should be signed before: [a] two witnesses; [b] a Notary Public if within the U.S.A.; or [c] a U.S. counsel if outside the U.S.A. Each witness should sign here:

Date 3-10-99  Witness

Date 3/10/99 Witness
This assignment should be signed before: [a] two witnesses; [b] a Notary Public if within the U.S.A.; or [c] a U.S. counsel if outside the U.S.A. Each witness should sign here:

Date _____________ Witness ______________________________

Date _____________ Witness ______________________________

I, the undersigned, do solemnly swear and affirm that the foregoing is true and correct to the best of my knowledge and belief.

This ___________ day of __________________, 1994.

__________________________

JEFFREY P. MARKS
Notary Public, State of New York
Monroe County
Commission Expires August 10, 2004
Date                     Signature of Inventor    
1/19/99                Alfred W. Pegler III    

Date                     Signature of Inventor    
2/22/99                Davis M. Orte    

Date                     Signature of Inventor    
1/13/1999                John E. Kator    
7/19-97                  Paul E. Wayman    

This assignment should be signed before: (a) two witnesses; (b) a Notary Public if within the U.S.A.; or (c) a U.S. counsel if outside the U.S.A. Each witness should sign here:

Date                     Witness    
1/13/99                   J. Christopher Jones    1/13/99    

Date                     Witness    
1/13/99                  Karen L. Keller    1/19/99
This assignment should be signed before: [a] two witnesses; [b] a Notary Public if within the U.S.A.; or [c] a U.S. counsel if outside the U.S.A. Each witness should sign here:

Date 2-22-99 Witness

Date ___________ Witness

JUDY R. DAY
NOTARY PUBLIC, STATE OF NEW YORK
Ontario County
Commission Expires April 20, 2000