

02-12-2003

102363337  
PATENTS ONLYPatent No. 5,070,536  
Express Mail No. EL 929182644 US

DEPARTMENT OF COMMERCE 1/31/92

FORM PTO-1595  
RECORDATION FORM COVER SHEET

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

2-4-03

## 1. Name of conveying party(ies):

RONALD L. MAHANY  
MARVIN L. SOJKA  
GUY J. WESTAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: 10-06-89; 10-03-89; 10-04-89

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

Norand Corporation  
550 Second Street S.E.  
Cedar Rapids, IA 52401Additional 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 filing date of the application is:

A. Patent Application No.(s)

B. Patent No.(s) 5,070,536Additional numbers attached? ☐ Yes ☒ No

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

David Z. Petty  
McAndrews, Held & Malloy, Ltd.  
500 West Madison Street  
34th Floor  
Chicago, IL 60661

Attorney for Broadcom Corporation

## 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: 13-0017

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

DO NOT USE THIS SPACE

## 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.*

Signature and Registration Number:

52,119

Date: February 4, 2003

Name of Person Signing:

David Z. Petty

02/11/2003 TDIAZ1 00000022 130017 5070536

01 FC:8021

40.00 CH

PATENT  
REEL: 013735 FRAME: 0178

A S S I G N M E N T

WHEREAS, I, RONALD L. MAHANY, a resident of Cedar Rapids, in the County of Linn and State of Iowa, together with Marvin L. Sojka and Guy J. West, have invented certain new and useful improvements in a

"MOBILE RADIO DATA COMMUNICATION  
SYSTEM AND METHOD"

as described or intended to be described and set forth in an application for patent filed on August 4, 1989 as U.S. Serial No. 07/389,727.

WHEREAS, NORAND CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware and having its principal place of business at Cedar Rapids, Iowa, is desirous of acquiring the entire right, title and interest in and to said invention, improvements, application and any Letters Patent which may be granted therefor or thereupon, together with any and all divisions, continuations, reissues and extensions thereof:

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of One Dollar (\$1.00), to me in hand paid and other good and valuable considerations, the receipt of which is hereby acknowledged, I, the said RONALD L. MAHANY, have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said NORAND CORPORATION, its successors and assigns, my entire right, title and interest in and to said

invention, improvements, application and any Letters Patent which may be granted therefor or thereupon, together with any and all divisions, continuations, reissues and extensions thereof, all my foreign rights to said invention, and all my rights under the International Convention in respect to said invention and application, and authorize the said NORAND CORPORATION to apply for patents in foreign countries, claiming the filing date of the United States application under the provisions of the International Convention. I authorize insertion of U.S. Serial No. and filing date hereinabove to further identify the application for patent. And I hereby agree to communicate to the said NORAND CORPORATION or its representatives any facts known to me respecting said invention and improvements, to testify in any legal proceedings relating thereto, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and in addition to execute any and all documents that may be required in order that the said NORAND CORPORATION may make application for Letters Patent on said invention in foreign countries in its own name. And I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent which may be granted for or upon said invention or applications unto the said NORAND CORPORATION, its successors and assigns, in accordance with this Assignment.

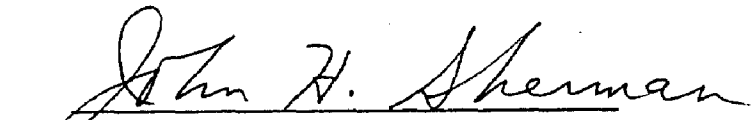
Signed at Cedar Rapids in the County of Linn and State of Iowa  
this 6<sup>th</sup> day of OCTOBER, 1989.

  
Ronald L. Mahany

STATE OF IOWA                     )  
                                          ) SS:  
COUNTY OF LINN                 )

I, JOHN H. SHERMAN, a Notary Public in and for the  
County and State aforesaid, do hereby certify that RONALD L.  
MAHANY personally known to me to be the same person whose name  
is subscribed to the foregoing instrument, appeared before me  
this day in person and acknowledged that he signed, sealed and  
delivered the said instrument as his free and voluntary act and  
deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 6<sup>th</sup> day of  
OCTOBER, 1989.

  
Notary Public

My commission expires:

MARCH 3, 1991

(SEAL)

A S S I G N M E N T

WHEREAS, I, MARVIN L. SOJKA, a resident of Cedar Rapids, in the County of Linn and State of Iowa, together with Ronald L. Mahany and Guy J. West, have invented certain new and useful improvements in a

"MOBILE RADIO DATA COMMUNICATION  
SYSTEM AND METHOD"

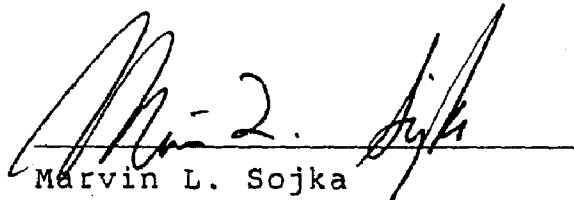
as described or intended to be described and set forth in an application for patent filed on August 4, 1989 as U.S. Serial No. 07/389,727.

WHEREAS, NORAND CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware and having its principal place of business at Cedar Rapids, Iowa, is desirous of acquiring the entire right, title and interest in and to said invention, improvements, application and any Letters Patent which may be granted therefor or thereupon, together with any and all divisions, continuations, reissues and extensions thereof:

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of One Dollar (\$1.00), to me in hand paid and other good and valuable considerations, the receipt of which is hereby acknowledged, I, the said MARVIN L. SOJKA have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said NORAND CORPORATION, its successors and assigns, my entire right, title and interest in and to said

invention, improvements, application and any Letters Patent which may be granted therefor or thereupon, together with any and all divisions, continuations, reissues and extensions thereof, all my foreign rights to said invention, and all my rights under the International Convention in respect to said invention and application, and authorize the said NORAND CORPORATION to apply for patents in foreign countries, claiming the filing date of the United States application under the provisions of the International Convention. I authorize insertion of U.S. Serial No. and filing date hereinabove to further identify the application for patent. And I hereby agree to communicate to the said NORAND CORPORATION or its representatives any facts known to me respecting said invention and improvements, to testify in any legal proceedings relating thereto, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and in addition to execute any and all documents that may be required in order that the said NORAND CORPORATION may make application for Letters Patent on said invention in foreign countries in its own name. And I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent which may be granted for or upon said invention or applications unto the said NORAND CORPORATION, its successors and assigns, in accordance with this Assignment.

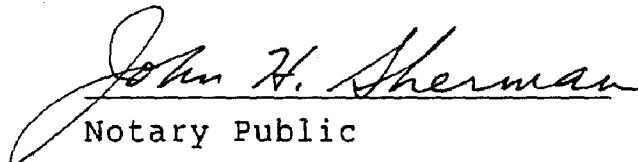
Signed at Cedar Rapids in the County of Linn and State of Iowa  
this 3 day of October, 1989.

  
Marvin L. Sojka

STATE OF IOWA                    )  
                                      ) ss:  
COUNTY OF LINN                )

I, JOHN H. SHERMAN, a Notary Public in and for the  
County and State aforesaid, do hereby certify that MARVIN L.  
SOJKA personally known to me to be the same person whose name is  
subscribed to the foregoing instrument, appeared before me this  
day in person and acknowledged that he signed, sealed and  
delivered the said instrument as his free and voluntary act and  
deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 3rd day of  
OCTOBER, 1989.

  
Notary Public

My commission expires:

MARCH 3, 1991

(SEAL)

A S S I G N M E N T

WHEREAS, I, GUY J. WEST, a resident of Cedar Rapids, in the County of Linn and State of Iowa, together with Ronald L. Mahany and Marvin L. Sojka have invented certain new and useful improvements in a

"MOBILE RADIO DATA COMMUNICATION  
SYSTEM AND METHOD"

as described or intended to be described and set forth in an application for patent filed on August 4, 1989 as U.S. Serial No. 07/389,727.

WHEREAS, NORAND CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of Delaware and having its principal place of business at Cedar Rapids, Iowa, is desirous of acquiring the entire right, title and interest in and to said invention, improvements, application and any Letters Patent which may be granted therefor or thereupon, together with any and all divisions, continuations, reissues and extensions thereof:

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of One Dollar (\$1.00), to me in hand paid and other good and valuable considerations, the receipt of which is hereby acknowledged, I, the said GUY J. WEST have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said NORAND CORPORATION, its successors and assigns, my entire right, title and interest in and to said



invention, improvements, application and any Letters Patent which may be granted therefor or thereupon, together with any and all divisions, continuations, reissues and extensions thereof, all my foreign rights to said invention, and all my rights under the International Convention in respect to said invention and application, and authorize the said NORAND CORPORATION to apply for patents in foreign countries, claiming the filing date of the United States application under the provisions of the International Convention. I authorize insertion of U.S. Serial No. and filing date hereinabove to further identify the application for patent. And I hereby agree to communicate to the said NORAND CORPORATION or its representatives any facts known to me respecting said invention and improvements, to testify in any legal proceedings relating thereto, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and in addition to execute any and all documents that may be required in order that the said NORAND CORPORATION may make application for Letters Patent on said invention in foreign countries in its own name. And I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent which may be granted for or upon said invention or applications unto the said NORAND CORPORATION, its successors and assigns, in accordance with this Assignment.

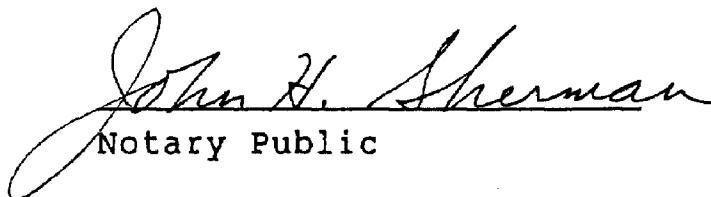
Signed at Cedar Rapids in the County of Linn and State of Iowa  
this 4th day of October, 1989.

  
Guy J. West

STATE OF IOWA                    )  
                                      ) ss:  
COUNTY OF LINN                )

I, JOHN H. SHERMAN, a Notary Public in and for the  
County and State aforesaid, do hereby certify that GUY J. WEST  
personally known to me to be the same person whose name is  
subscribed to the foregoing instrument, appeared before me this  
day in person and acknowledged that he signed, sealed and  
delivered the said instrument as his free and voluntary act and  
deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 4th day of  
OCTOBER, 1989.

  
Notary Public

My commission expires:

MARCH 3, 1991

(SEAL)