FORM PTO-1595       06 - 12 - 1000 - 12 - 10000 - 1000 - 1000 - 1000 - 10000 - 1000 - 1	Patent and Trademark Office Docket A-2329
To the Honorable Commissioner of Faterns and Hademann. 1. Name of conveying party(ies): John Walter Zscheile Jr. Ryan Christopher Reid John Schofield Buzby Jr. Additional name(s) of conveying party(ies) attached?  Yes X No	2. Name and address of receiving party(ies) Name: Northrop product for July 100 - 7 2001
<ul> <li>3. Nature of conveyance:</li> <li>Xi Assignment</li> <li>D Security Agreement</li> <li>D Change of Name</li> </ul>	Street Address: 1840 Century Park East City: Los Angeles State: CA ZIP: 2199
□ Other Execution Date:9 May 2001	Additional name(s) & address(es) attached?  Yes X No
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ol>	<ul> <li>B. Patent No.(s)</li> <li>attached?  <ul> <li>Yes X No</li> </ul> </li> <li>6. Total number of applications and patents involved: 1</li> </ul>
Name: Terry J. Anderson Internal Address:	<ul> <li>7. Total fee (37 CFR 3.41)\$ 40.00</li> <li>X Enclosed</li> <li>Authorized to be charged to deposit account</li> </ul>
Street Address: 1840 Century Park East	8. Deposit account number: 19-3445
City: Los Angeles State: CA ZIP: 21997-	(Attach duplicate copy of this page if paying by deposit account)
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.         John B. Sowell       John B. Sowell         Name of Person Signing       John B. Sowell         Total number of bages including cover sheet, attachments, and document:       John B. Sowell         Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks. Box Assignments PATENT Washington, D.C. 20231       REEL: 011870 FRAME: 0828	

## ASSIGNMENT JOINT

In accordance with existing Employee Intellectual Property Agreement(s) and/or other undertaking(s) entered into for good and valuable consideration, receipt of which is hereby acknowledged, we, John Walter Zscheile, Jr.; Ryan Christopher Reid; John Schofield Buzby, Jr.; of, respectively, Rockledge, Florida 32955; Cocoa, Florida 32926; Marina Del Rey, California 90292; hereby sell and assign to NORTHROP GRUMMAN CORPORATION, a Corporation organized and existing under the laws of Delaware, U.S.A., having its principal place of business at 1840 Century Park East, Los Angeles, California 90067-2199, U.S.A., its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the invention entitled A DUAL MODE OF OPERATION MULTIPLE ACCESS SYSTEM FOR DATA LINK COMMUNICATION invented by us and the application for United States patent therefor, executed on the same day as the assignment is executed and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subjects-matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents and Utility Model Registration in countries foreign to the United States, and in and to any Letters Patent or Utility Model Registration which may be granted thereon in such foreign countries, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue the said Letters Patent or Utility Model Registration to the said NORTHROP GRUMMAN CORPORATION its successors, assigns, nominees or other legal representatives, as assignee of the entire interest, and covenant that we have full right to convey the entire interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith, and agree that we will communicate to said Corporation, its successors, assigns, nominees or other legal representatives, all facts known to us respecting said invention, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application for such divisional, continuing or reissue applications, or the procuring thereof, and that if and when said NORTHROP GRUMMAN CORPORATION its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, we will, upon request, sign all lawful papers requisite for the filing of such disclaimer, and we further covenant and agree that we will at any time upon request, do everything legally possible to aid said Corporation, its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce proper patent and/or Utility Model protection for said invention in all countries, all without further consideration but at the expense of said NORTHROP GRUMMAN CORPORATION its successors, assigns, nominees or other legal representative.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 9<sup>th</sup> day of May 2001,

Engeliel fre

Page 1 of 2

PATENT REEL: 011870 FRAME: 0829

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 9<sup>th</sup> day of May 2001,

Ryan Christopher Reid

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  $\underline{\mathfrak{I}}^{th}$  day of May 2001,

Jeho field Byg f. John Schofield Buzby, Jr.

Page 2 of 2

**RECORDED: 06/07/2001**