To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
   Lawrence M. Burns

2. Name and address of receiving party(ies):
   Name: 3Com Corporation
   Street Address: 5400 Bayfront Plaza
   City: Santa Clara, California 95052

   Additional name(s) & address(es) attached?
   [ ] Yes  [X] No

3. Nature of conveyance:
   [X] Assignment  [ ] Merger
   [ ] Security Agreement  [ ] Change of Name
   [ ] Other

   Execution Date: 11 November 1998

4. Application number(s) or patent number(s): Not Yet Assigned
   09199030

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

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? [ ] Yes  [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Mark A. Haynes
   Wilson Sonsini Goodrich & Rosati
   650 Page Mill Road
   Palo Alto, CA 94304-1050

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) ............ $40.00
   [ ] Enclosed
   [X] Authorized to be charged to deposit account

8. Deposit account number: 23-2415
   (Attorney Docket No.: 15886-161)

DO NOT USE THIS SPACE

   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.
   Mark A. Haynes, Reg. No. 30,846
   Name of Person Signing
   Signature  21 Nov 98
   Date

Total number of pages including cover sheet, attachments and document: [3]
JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

BURNS, Lawrence M.  BOYD, Edward
1142 Cuesta Drive  1037 Elisabetta Court
Mountain View, California  Petaluma, California

hereinafter termed "Inventors", have invented certain new and useful improvements in

METHOD AND APPARATUS FOR TIME SYNCHRONIZATION
IN A COMMUNICATION SYSTEM

and have filed an application for a United States patent disclosing and identifying the above invention on Herewith as Application No. Not Yet Filed (hereinafter termed "application"); and

WHEREAS, 3Com Corporation, a corporation of the State of Delaware, having a place of business at 5400 Bayfront Plaza, Santa Clara, California 95052, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, continuation, continuation-in-part or divisional of any said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissue of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

State of California
County of Santa Clara

On 11/11 1998, before me, Roberta Chesler personally appeared Lawrence M. Burns. Personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Notary Public)

State of
County of

On 11/11 1998, before me, Edward Boyd, personally appeared ________________________

Personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Notary Public)