To the Honorable Commissioner of Patents:

1. Name and Address of Conveying Party(ies):
   Casimir M. Kaczmarczyk
   2141 Los Rios Blvd.
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   Additional name(s) of conveying party(ies) attached: X Yes  _ No

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

   Execution Date: 04/17/00

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): 09/538,040 dated 03/29/00
   B. Patent No.(s):  
      Additional Numbers  _ Yes  _ No

5. Name and address of party to whom correspondence concerning document should be mailed to:
   Name: Robin A. Brooks, Esq.
   Internal Address: BAKER BOTTs L.L.P.
   Street Address: 2001 Ross Avenue, 6th Floor
   City: Dallas
   State: Texas  Zip: 75201-2980

6. Total number of application and patents involved: One

7. Total Fee (37C.F.R. 3.41): $40.00
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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.

   Robin A. Brooks  
   Name of Person Signing
   Signature

   29 June 2000
   Date

   Total number of pages including cover sheet 5

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PATENT
REEL: 010891 FRAME: 0138
1. Name and Address of Conveying Party(ies):

   Sivakumar (NMI) Ravikumar
   5711 D Heathstead Dr.
   Dublin, Delaware County, Ohio 43016
   Citizenship: India
   Execution Date: 04/17/00
ASSIGNMENT

WHEREAS, I, as one of the undersigned joint inventors, of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, telecom technologies, inc. (hereinafter referred to as "Assignee"), a Texas corporation, with an address of 1701 N. Collins Blvd., Suite 3000, Richardson, Texas 75080, desires to acquire our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar ($1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we assign to Assignee all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof and any provisional application of which this application claims benefit; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

We all assign to Assignee, all right, title and interest to the invention disclosed in said application and any provisional application of which this application claims benefit throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

We will communicate to Assignee all facts known to us respecting any improvements; and, at the expense of Assignee, we will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assignees and legal representatives.
Title of Invention: SYSTEM AND METHOD TO INTERNETWORK TELECOMMUNICATION NETWORKS OF DIFFERENT PROTOCOLS

Signature of Inventor: Casimir M. Kaczmarczyk

Inventor's Name:

Residence (City, County, State): Plano, Collin County, Texas

Date:

Date Application Executed: 04/17/00
Title of Invention: SYSTEM AND METHOD TO INTERNETWORK TELECOMMUNICATION NETWORKS OF DIFFERENT PROTOCOLS

Signature of Inventor: Sivakumar (NMI) Ravikumar
Inventor's Name: Sivakumar (NMI) Ravikumar
Residence (City, County, State): Dublin, Delaware County, Ohio
Date: 04/17/00
Date Application Executed: 04/17/00