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U. S. DEPARTMENT OF COMMERCE

To the Honorable Commissioner of Patents



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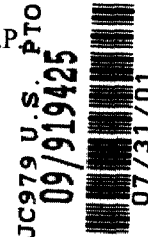
1. Name of conveying parties(ies):

101808443
7/31/01

and address of receiving party(ies):

Shrikant Jannu 7/31/01
Dora Potluri 7/31/01
Denis Tsai 7/31/01

Sprint Communications Company, L.P.
8140 Ward Parkway
Kansas City, MO 64114



Additional name(s) and address(es) attached? Yes No

Additional name(s) & address(es)

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Attached? Yes No

09/919425

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 by the first named inventor is: 07/31/01

A. Patent Application No.(s).

B. Patent No.(s).

Additional numbers attached? Yes No

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

Steven J. Funk
Sprint
8140 Ward Parkway
Kansas City, Missouri 64114

6. Total number of application 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: 21-0765

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

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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 if a true copy of the original document

Rodney B. Carroll, 39,624
Name of Person Signing

July 31, 2001
Date

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D. C. 20231

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby declare that I am the sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the invention relating to a "Middleware Brokering System Adapter (IDF 1540)" described in an application for Letters Patent of the United States of America filed on _____, Serial No. not yet assigned, or, if not identified here by filing date and serial number, executed by me on even date with my execution of this Assignment.

For valuable consideration received, I hereby sell, assign and transfer to Sprint Communications Company L.P., a corporation duly organized and existing under the laws of the State of Delaware, United States of America, its successors and assigns, my entire right, title and interest, for all countries in and to said inventions and all the rights and privileges under any and all Letters Patent that may be granted therefore, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with Sprint Communications Company L.P., its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

This Agreement and Assignment supersedes all other assignments, agreements and addendums related to the above identified application.

After this Assignment has been recorded, please return it to :

Attn: Steven J. Funk
Sprint Law Department
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SOLE OR JOINT

Inventor (1): Shrikant Jannu

Shrikant Jannu
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V. Venkat Reddy
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Dora Potluri
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V. Venkat Reddy
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SOLE OR JOINT

Inventor (3): Denis Tsai

Denis Tsai
(Signature in Full)

Citizenship: United States

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Residence: Same

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Michael W. Piper
(Signature)

2nd Witness: VENKAT REDDY
(Type or Print)

V. Venkat Reddy
(Signature)