09-12-2005 Express Mail No. EV 333555788 US Docket No. 334				
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FORM PTO-1595 REC	U.S. DEPARTMENT Patent and	OF COMMERCE Trademark Office		
9/15 103078416 Patent and Trademark Office				
To The Honorable Commissioner of Patents and Trademarks: P	Please record the attached on both sents or copy thereof.			
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)	0		
Michael T. Lundy	Name: Sprint Spectrum L.P.	中 公		
Benjamin P. Blinn Kevin E. Hunter	Address: 6450 Sprint Parkway	7.00		
Louie E. Wingo	Address. 0100 oprint Lakway	20 0		
Execution Date: August 31, 2005		62 60		
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	City: Overland Park State: Kansas			
3. Nature of conveyance:				
	Country: U.S.A. Zip: 66251			
☐ Security Agreement ☐ Change of Name				
	Additional name(s) & address(es) attached? ☐ Yes ⊠	Additional name(s) & address(es) attached? ☐ Yes ☒ No		
□ Other				
4. Application number(s) or patent number(s):				
A. Patent Application No.(s) Filing Date	B. Patent No.(s)			
Additional numbers attached? □ Yes ☒ No				
5. Name and address of party to whom correspondence conce				
document should be mailed:	6. Total number of applications and patents involved:	i		
Name: Steven J. Funk				
Registration No.: 35,875	7. Total Fee (37 CFR 3.41)	\$40.00		
Company Name: Sprint Spectrum L.P.	□ Enclosed			
Street Address: 6391 Sprint Parkway		☑ Authorized to be charged to deposit account		
Mailstop: KSOPHT0101-Z2100	None required (government interest not affecting	g title)		
City: Overland Park State: Kansas	8. Deposit account number:			
Country: U.S.A. ZIP: 66251	210765			
County, 0.5.71. 2.11.00221				
DO NOT USE THIS SPACE				
document.	ormation is true and correct and any attached copy is a true copy of t	he original		
Richard A. Machonkin Ruhand A. Mochorling Date: September 1, 2005				
Printed Name of Person Signing	Signature ,			
Total number of pages including cover sheet, attachments, and document: 4				
Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services				

99/09/2005 ECOOPER 00000212 210765 11217652 Alexandria, Virginia 22313-1450

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Director of the United States Patent and Trademark Office PO Box 1450

> **PATENT REEL: 016959 FRAME: 0463**

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

I hereby declare that I am an original, first and joint inventor of the invention relating to "METHOD AND SYSTEM FOR USER-REQUESTED VERTICAL HANDOFF" described in an application for Letters Patent of the United States of America filed on , Serial No. _____, 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 Spectrum L.P., a limited partnership 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 limited partnership 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 limited partnership, its successors, assigns or nominees.

I agree that I will communicate to said limited partnership or its representatives any facts known to me respecting said inventions and when requested by said limited partnership and at its expense will testify in any legal proceedings, and generally do everything possible to aid said limited partnership, 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 limited partnership, 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 limited partnership 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 Spectrum 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 6391 Sprint Parkway

Mailstop: KSOPHT0101-Z2100 Overland Park, KS 66251-2100

> PATENT REEL: 016959 FRAME: 0464

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FIRST JOINT INVENTOR	
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2nd Witness: Brandon Anna- (Type or Print)	(Signature)
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1st Witness: Steven Rivers (Type or Print)	Stw. K. (Signature)

2nd Witness:

THIRD JOINT INVENTOR Inventor (3) (Kevin E Hunter)	Date: Ang 31, 2025
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FOURTH JOINT INVENTOR	
Inventor (4) (Louie E. Wingo)	Date: Aug 31 2005
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1st Witness: Steve W. Rivers (Type or Print)	Stw. K. (Signature)
	1 H //

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(Signature)