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PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached documents or the new address(es) below.		
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)		
Keith E. Crowe	Name; SAS Institute Inc.		
Rajesh S. Selukar Michael J. Leonard	Internal Address:		
Additional name(s) of conveying party(ies) attached? Yes V			
3. Nature of conveyance/Execution Date(s):	Street Address: SAS Campus Drive		
Execution Date(s) June 27, 2006			
Assignment Merger	0.4 0		
Security Agreement Change of Name	City: Cary		
Joint Research Agreement	State: North Carolina		
Government Interest Assignment	Country: US Zip: 27513		
Executive Order 9424, Confirmatory License			
Other	Additional name(s) & address(es) attached? \(\subseteq \text{Yes } \subseteq \text{No} \)		
4. Application or patent number(s):	document is being filed together with a new application.		
A. Patent Application No.(s)	B. Patent No.(s)		
11/431,089	á i a		
11/451,009			
•			
	ached? Yes VNo		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1		
Name: John V. Biernacki	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
Internal Address: Jones Day	Authorized to be charged by credit card		
North Point	✓ Authorized to be charged to deposit account		
Street Address: 901 Lakeside Avenue	Enclosed		
Street Address. 901 Lakeside Avenue	None required (government interest not affecting title)		
	8. Payment Information		
City: Cleveland	a. Credit Card Last 4 Numbers		
State: Ohio Zip: 44114	Expiration Date		
Phone Number: (216) 586-3939	410		
Fax Number: (216) 579-0212	b. Deposit Account Number 501432 Authorized User Name John V. Biemacki		
Email Address: ivbiernacki@jonesday.com	Authorized User Name John V. Biernacki		
9. Signature: Kalling Karrande	June 30, 2006		
(Signature	Date 2		
Kathie J. Kopczyk	Total number of pages including coverage sheet, attachments, and documents		
Name of Person Signing	sheet, attachments, and documents		

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, one or more inventions have been made by the undersigned in

COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR GENERATING FORECASTS

and are the subject of a patent application filed on May 9, 2006 in the United States Patent and Trademark Office under U.S. Application No. 11/431,089, which application is identified as Jones Day Docket No. 343355-600133.

WHEREAS, **SAS INSTITUTE INC.**, a **North Carolina** corporation, located and doing business at **SAS Campus Drive**, **Cary**, **North Carolina 27513**, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest in said inventions and patent rights therefor throughout the world.

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, THE UNDERSIGNED HEREBY SELLS, ASSIGNS, TRANSFERS, AND DELIVERS TO ASSIGNEE all right, title, and interest, in the United States and throughout the world, in said inventions and all patents, patent rights, patent applications, and inventor's certificates for said inventions, including without limitation said application for patent in the United States and all provisionals, divisions, continuations, continuations-in-part, and resulting patents, all right to sue for infringement or past infringement, and all patents and patent rights that may be granted for said inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary or desirable to secure for or vest in assignee, its successors or assigns, any invention right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Patent and Trademark Office is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in the patents, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in the patents.

The undersigned hereby grants the firm of Jones Day the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Page 1 of 4

IN WITNESS WHE undersigned:	REOF, this A	ssignment has been e	executed below by the
XEITH E. CROWE		<u>6/27/06</u> Date	
Post Office Address:	301 Highfie Cary, North	ld Avenue Carolina 27519	
STATE OF NORTH CARG	OLINA	} } ss. }	
KEITH E. CROWE	2006, and acl		pregoing instrument was
executed as mis nee act a	ind deed for t	Notary Public	6
NOTARY FOR PUBLIC PUBLIC COUNTY	arial Seal)	My Commission Expi	ires: 12-2-2006

Page 2 of 4

IN WITNESS WHEREOF, undersigned:	this Assignment has been executed below by the
RAJESH S. SELUKAR	06/27/06 Date
RAJESH S. SELUKAR	Date
	shley Glen Drive North Carolina 27513
STATE OF NORTH CAROLINA	}
	} ss.
COUNTY OF WAKE	}
RAJESH S. SELUKAR ap	peared before me this 27th day of
June, 2006, a	nd acknowledged that the foregoing instrument was
executed as his free act and dee	d for the uses and purposes set forth therein.
(Notarial Sea	Notary Public Denise O. Funderburke (Print Name)
	My Commission Expires: 12-2-2006
NOTARY ME PUBLIC PUBLIC COUNTY.	

Page 3 of 4

IN WITNESS WHEREOF, this Asundersigned:	ssignment has been executed below by the
MICHAEL J. LEONARD	6/27/06 Date
Post Office Address: 122 Southwood Cary, North	old Drive Carolina 27519
STATE OF NORTH CAROLINA COUNTY OF WAKE	} ss. }
	and before me this 20th day of an anomalous day of anomal
(Notarial Seal) NOTARY PUBLIC RAMANCE COUNTY.	Ochise Sundabuda Notary Public Denise O. Funderburke (Print Name) My Commission Expires: (2-2-2006)

Page 4 of 4

RECORDED: 07/03/2006