FORM PTO-161 Expires 06/30/99 OMB 0651-0027		03-23-2001							
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1	9A	U.S. Department of Commerce Patent and Trademark Office PATENT							
/2	RECO	101645466							
	RECO	DRDATION FORM COVER SHEET MAR 6 2001							
TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).									
Submission Ty		Conveyance Type							
New New		X Assignment Security Agreement							
Document ID	on (Non-Recordation) # 101545481	License Change of Name							
Correction of Reel #	f PTO Error Frame #	Merger Other							
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Conveying Par		Departmental File Secret File Mark if additional names of conveying parties attached Execution Date							
	elGobbo, Vincent C	Month Day Year							
Name (line 2)		Execution Date							
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		States, an appointment of a domestic							
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D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Might documents to be recorded with required cover sheets) information to:

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

PATENT

REEL: 011599 FRAME: 0029

FORM PTC Expires 06/30/99 OMB 0651-0027)-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT						
Correspond	ent Name and Address	Area Code and Telephone Number	(216) 586-7747						
Name	John V. Biernacki								
Address (line 1)	Jones, Day, Reavis &	Pogue							
Address (line 2)	North Point								
Address (line 3)	901 Lakeside Avenue								
Address (line 4)	Cleveland, OH 44114								
Pages	Enter the total number of pa including any attachments	ages of the attached conveyance docu	ment # 5						
Application	Number(s) or Patent Nu	mber(s) Mark	f additional numbers attached						
Enter either th	ne Patent Application Number or the	Patent Number (DO NOT ENTER BOTH number							
Pat	ent Application Number(s)	Pate	nt Number(s)						
09712099									
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	is being filed together with a <u>new</u> Pat st named executing inventor.	ent Application, enter the date the patent applica	ition was Month Day Year						
Patent Coop	peration Treaty (PCT)	DOT DOT	РСТ						
Ente	er PCT application number	PCT PCT	PC1						
	<u>/ if</u> a U.S. Application Numbernot been assigned.	PCT PCT PCT	PCT						
Number of F	Properties Enter the to	otal number of properties involved.	# 1						
Fee Amount	t Fee Amount	for Properties Listed (37 CFR 3.41):	\$ 40.00						
	of Payment: Enc t Account	losed X Deposit Account							
		ditional fees can be charged to the account.) Deposit Account Number:	#						
		Authorization to charge additional fees:	Yes No						
Statement a	and Signature								
attach	best of my knowledge and bed copy is a true copy of the ted herein.	elief, the foregoing information is true original document. Charges to depos	e and correct and any sit account are authorized, as						
Kathie J.	Konczyk	Kothio o Krowde	March 5, 2001						
	e of Person Signing	Signature	Date						

PATENT REEL: 011599 FRAME: 0030

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)	REC(2-08-2000	HEET		ENT OF COMMERCE and Trademark Office		
Tab settings ⇒ ⇔ ▼	-			▼	▼		
To the Honorable Commission	er of Pate	01545481	hed origi	inal documents or co	ppy thereof.		
Name of conveying party(ies):	MRD	2. Nan	ne and address of	receiving party(ies	s)		
Vincent C. DelGobbo	11-1500) Nam	ne: SAS Insti	tute Inc.			
John P. Leveille	Inter	Internal Address:					
Additional name(s) of conveying party(ies)	attached? • Yes • No						
3. Nature of conveyance:							
Assignment	□ Merger	Stre	Street Address: SAS Campus Drive				
☐ Security Agreement	☐ Change of I	Name					
□ Other		City:	Cary	State: NC	ZIP:27513		
Execution Date: November 13	Additi	Additional name(s) & address(es) attached? Yes No					
4. Application number(s) or paten	t number(s):						
If this document is being filed t	ogether with a new ap	plication, the exec	ution date of the a	application is: No.	zember 13 200		
A. Patent Application No.(s)	- 3				7. mix. 1		
A. Faterit Application No.(5)		D. 1	Patent No.(s)				
	Additional nu	mbers attached? Y	es 🖫 No				
Name and address of party to v concerning document should be	6. Tota	6. Total number of applications and patents involved:					
Name: John V. Biernack	Name: John V. Biernacki		7. Total fee (37 CFR 3.41)\$ 40.00				
Internal Address: Jones , Day	Internal Address: Jones, Day, Reavis & Pogue		☐ Enclosed				
North Poin		[
			Autnorizea to be c	harged to deposit a	account		
Street Address: 901 Lakesi	de Avenue	8. Dep	osit account numb	per:			
		50-	-1432 (ref. no	3433556000)22)		
City: Cleveland State	e: <u>OH</u> ZIP : 441	14 (Atta	ch duplicate copy of th	nis page if paying by de	eposit account)		
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 Statement and signature. To the best of my knowledge as the original document. 	nd belief, the foregoing	n information is tru	e and correct and	any attached copy	is a true copy of		
Kathie J. Kopczyk	<u> </u>	the 9 Ka	ocal	Novem	ber 14, 2000		
Name of Person Signing Signature Of Date							
Total number of pages including cover sheet, attachments, and document:							

ASSIGNMENT

(Joint)

WHEREAS, new and useful improvements and inventions have been made by the undersigned in

COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR HOSTING DESIGN-TIME CONTROLS

and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the dates indicated below in the appropriate spaces to the right of the signatures of the undersigned, which application is further identified as Jones, Day, Reavis & Pogue Docket No. 343355600022.

WHEREAS, SAS Institute Inc., a corporation of the State of North Carolina, having a principal place of business at SAS Campus Drive, North Carolina 27513, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; 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 improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks 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, to, and under the same, 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, to, and under the same.

Page 1 of 3

PATENT REEL: 011599 FRAME: 0032 IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

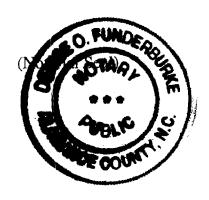
Post Office Address: 3001 Stanford Drive

Durham, North Carolina 27707-2879

STATE OF NORTH CAROLINA

COUNTY OF WAKE

The above named VINCENT C. DELGOBBO, known to me, appeared before me this 13th day of November, 2000, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes therein set forth.



My Commission Expires: 12-02-201

P Leveller 11/13/2000 11/13/2000
Date I signed this assignment Date I signed Declaration or Oath

Post Office Address: 2001 Rabbit Run

Raleigh, North Carolina 27603

STATE OF NORTH CAROLINA

COUNTY OF WAKE

The above named JOHN P. LEVEILLE, known to me, appeared before me this $\frac{13^{+1}}{12}$ day of November, 2000, and acknowledged that the foregoing instrument was executed as his free act and deed for the uses and purposes therein set forth.



RECORDED: 11/15/2000

My Commission Expires: 12-02-2001

Page 3 of 3

PATENT REEL: 011599 FRAME: 0034