FORM PTO-159 (Rev. 6-93) OMB No. 7:51-0011	(exp.404) MAY 1 1 2001	05-17-: 	 636		EET	U.S. Department of Commerce Patent and Trademark Office
ommissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.						
	e of conveying party(ies): solutions, Inc.		2.		ddress of receiving pa	
Additional name(s) of conveying party(ies) attached? Yes No			Street address: Overlook 11, 2839 Paces Ferry Road Atlanta, Georgia 30337 Additional name(s) & address(es) attached? Yes No			
□A □ S □ C	ssignment	of Name				
* *	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. Pa	atent Application No.			B. Patent	No.(s) 5,918,209	
Atto	rney Docket No.: 82001-0315					
Additional numbers attached? ☐ Yes · ☒ No						
	e and Address of party to whom corresponerning document should be mailed:	dence	6.	Total num	iber of application	ns and patents involved: 1
Inter	e: Celine Jimenez Crowson nal Address: Hogan & Hartson LLP et Address: Columbia Square 555 Thirteenth Street, N.W. Washington State: D.C. Zip: 20004	-1109	7.	Enclose Enclose	sed	ed to deposit account
			8.	Deposit a	ccount number:	
						e if paying by deposit account)
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	vin G. Shaw e of Person signing Sig	gnature/			Date	2/
Total number of pages including cover sheet, attachments and document: 3						

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 2023

State of Delaware

PAGE 1

Office of the Secretary of State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "TALUS SOLUTIONS, INC.", CHANGING ITS NAME FROM "TALUS SOLUTIONS, INC." TO "MANUGISTICS ATLANTA, INC.", FILED IN THIS OFFICE ON THE SIXTEENTH DAY OF JANUARY, A.D. 2001, AT 9 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

Section of the sectio

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Warriet Smith Windsor, Secretary of State

AUTHENTICATION: 0939521

DATE: 01-26-01

PATENT

REEL: 011796 FRAME: 0028

CERTIFICATE OF AMENDMENT OF CERTIFICATE OF INCORPORATION OF TALUS SOLUTIONS, INC.

Talus Solutions, Inc., a corporation organized and existing under the General Corporation Law of the State of Delaware (the "Corporation"), does hereby certify:

FIRST: That the Board of Directors of the Corporation by unanimous written consent dated as of January 11, 2001, pursuant to Section 141(f) of the General Corporation Law of the State of Delaware ("Delaware Law"), adopted resolutions setting forth a proposed amendment of the Certificate of Incorporation of the Corporation, adopting such amendment to change the Corporation's name subject to the approval of the stockholders of the Corporation, and authorizing the calling of a stockholder meeting for purposes of considering such amendment. The Board of Directors proposed that the Certificate of Incorporation be amended by deleting the existing Article One in its entirety and by substituting in lieu thereof the following:

The name of this Corporation is Manugistics Atlanta, Inc.

SECOND: That thereafter, the stockholders approved the amendment to the Certificate of Incorporation of the Corporation by unanimous written consent dated as of January 11, 2001, pursuant to Section 228 of Delaware Law, in which they also waived their right to receive notice in accordance with Section 222 of Delaware Law.

THIRD: That said amendment was duly adopted in accordance with the provisions of Section 242 of Delaware Law.

IN WITNESS WHEREOF, Talus Solutions, Inc. has caused this Certificate to be signed and attested by its duly authorized officer this 11 day of January, 2001.

> STATE OF DELAWARE SECRETARY OF STATE DIVISION OF CORPORATIONS FILED 09:00 AM 01/16/2001 010025397 - 2755107

ATL/748496.1

RECORDED: 05/11/2001

PATENT REEL: 011796 FRAME: 0029