

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Clifford A. Harrison	06/03/1998
Emery J. Weber	05/28/1998
Phillip M. Bush	05/02/1998
RECEIVING PARTY DATA	
Name:	CSG SYSTEMS, INC.
Street Address:	9555 Maroon Circle
City:	Englewood
State/Country:	COLORADO
Postal Code:	80112
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	7725344
CORRESPONDENCE DATA	
Fax Number:	(312)456-8435
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	312-456-8400
Email:	chiipmail@gtlaw.com
Correspondent Name:	Gary R. Jarosik
Address Line 1:	77 WEST WACKER DRIVE
Address Line 2:	Greenberg Traurig, LLP - Suite 3100
Address Line 4:	Chicago, ILLINOIS 60601-1732
ATTORNEY DOCKET NUMBER:	053966.012400
NAME OF SUBMITTER:	Gary R. Jarosik

Total Attachments: 8
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ASSIGNMENT

WHEREAS, I,

Clifford A. Harrison

Address: **701 Grape Street
Denver, Colorado 80220**

Citizenship: **United States of America**

have made certain new and useful inventions and discoveries, for which I have filed an application for Letters Patent entitled **SYSTEM AND METHOD FOR COMPUTER-AIDED TECHNICIAN DISPATCH**, the specification of which was filed as a United States Patent Application on **August 28, 1997** and granted Serial No. **08/919,475**.

WHEREAS **CSG SYSTEMS, INC.**, a Delaware Corporation, having a place of business at **7887 E. Belleview Avenue, Suite 1000, Englewood, Colorado, U.S.A.**, and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right

to assign the same to Assignee without encumbrance.

5. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

Executed on the date indicated below.

Clifford A. Harrison

Date _____

IN WITNESS WHEREOF, I have hereunto set my had and seal.

County of _____)
) ss:
State of _____)

On this _____ day of _____, 1998, before me, a Notary Public in and for the County and State aforesaid, personally appeared _____, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

Notary Public

My Commission Expires _____

(SEAL)

ASSIGNMENT

WHEREAS, I,

Emery J. Weber

Address: **17618 Hoyt Place
Parker, Colorado 80134**

Citizenship: **United States of America**

have made certain new and useful inventions and discoveries, for which I have filed an application for Letters Patent entitled **SYSTEM AND METHOD FOR AUTOMATIC WORK ORDER ROUTING**, the specification of which was filed as a United States Patent Application on **August 28, 1997** and granted Serial No. **08/919,218**.

WHEREAS **CSG SYSTEMS, INC.**, a Delaware Corporation, having a place of business at **7887 E. Belleview Avenue, Suite 1000, Englewood, Colorado, U.S.A.**, and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right

to assign the same to Assignee without encumbrance.

5. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

Executed on the date indicated below.

Emery J. Weber
Emery J. Weber

5/28/98
Date

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

County of Jefferson)
State of Colorado) ss:

On this 28th day of May, 1998, before me, a Notary Public in and for the County and State aforesaid, personally appeared Emery J. Weber, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

John S. Gabe
Notary Public

My Commission Expires 04/22/2002

(SEAL)

ASSIGNMENT

WHEREAS, I,

Phillip M. Bush

Address: **298 South Williams Street
Denver, Colorado 80204**

Citizenship: **United States of America**

have made certain new and useful inventions and discoveries, for which I have filed an application for Letters Patent entitled **SYSTEM AND METHOD FOR DISPLAYING DISPATCH AND WORK ORDER INFORMATION**, the specification of which was filed as a United States Patent Application on August 28, 1997 and granted Serial No. **08/919,105**.

WHEREAS **CSG SYSTEMS, INC.**, a Delaware Corporation, having a place of business at **7887 E. Belleview Avenue, Suite 1000, Englewood, Colorado, U.S.A.**, and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right

to assign the same to Assignee without encumbrance.

5. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

Executed on the date indicated below.

Phillip M. Bush
Phillip M. Bush

5/28/98
Date

IN WITNESS WHEREOF, I have hereunto set my hand and seal.
County of Denver)
)ss:
State of Colorado)

On this 28 day of May, 1998, before me, a Notary Public in and for the County and State aforesaid, personally appeared Phillip M. Bush, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

Synola J. Smith
Notary Public

My Commission Expires 10/3/2000

(SEAL)

ASSIGNMENT

WHEREAS, I,

Phillip M. Bush

Address: 298 South Williams St
Denver, CO 80209

Citizenship: USA

have made certain new and useful inventions and discoveries, for which I have filed an application for Letters Patent entitled **SYSTEM AND METHOD FOR DISPATCH LIST AND MAP INTERACTION**, the specification of which was filed as a United States Patent Application on August 28, 1997 and granted Serial No. 08/919,474.

WHEREAS CSG SYSTEMS, INC., a Delaware Corporation, having a place of business at 7887 E. Belleview Avenue, Suite 1000, Englewood, Colorado, U.S.A., and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.
2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise.
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.
4. Warrant that I have not knowingly conveyed to others any right in said inventions,

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discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance.

5. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

Executed on the date indicated below.

Phillip M. Bush
Phillip M. Bush

05/02/98
Date

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

County of Denver)

State of Colorado) ss:

On this 2nd day of May, 1998, before me, a Notary Public in and for the County and State aforesaid, personally appeared Phillip M. Bush, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

Maura G. Gable
Notary Public

My Commission Expires 08/19/2000
100 St. Paul Street
Denver, CO 80206

My Commission Expires _____

(SEAL)