

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4998580

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHRISTIAN KRAYER	09/14/2017
WILLIAM MICHAEL GREGG	09/14/2017
THOMAS ANDREW DOYLE	09/14/2017
PAUL BRIENT	09/15/2017
CHRISTOPHER WOBENSMITH	09/14/2017
JIM NAJIB JIRJIS	09/14/2017
VICTORIA WEAVER	09/22/2017
JONATHAN PERLIN	09/18/2017
PAUL MARTIN PASLICK	09/14/2017
EDMUND JACKSON	09/14/2017
SARAH HUME BUTA	09/14/2017
ERIN S. JOSPE	05/25/2017
UMESH P. PHIRKE	09/19/2017
RECEIVING PARTY DATA	
Name:	HCA HOLDINGS, INC.
Street Address:	2555 PARK PLAZA, BUILDING 4
Internal Address:	THIRD FLOOR
City:	NASHVILLE
State/Country:	TENNESSEE
Postal Code:	37203
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15902897
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	payoung@kilpatricktownsend.com
Correspondent Name:	KILPATRICK TOWNSEND & STOCKTON LLP

Address Line 1: 1100 PEACHTREE STREET
Address Line 2: SUITE 2800
Address Line 4: ATLANTA, GEORGIA 37203

ATTORNEY DOCKET NUMBER:	094335-1078287 (004330US)
NAME OF SUBMITTER:	PHOEBE YOUNG
SIGNATURE:	/Phoebe Young/
DATE SIGNED:	06/08/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 26

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COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT
CONDITIONS**

Application No. 15/684,747, filed on August 23, 2017

ASSIGNMENT

WHEREAS, I, **Christian Kraye**, of **Nolensville, TN**, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, HCA Holdings, Inc., a corporation of the State of Tennessee having a principle place of business at 2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203, hereinafter referred to as "HCA Holdings, Inc.," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to HCA Holdings, Inc. all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by HCA Holdings, Inc. and HCA Holdings, Inc.'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at HCA Holdings, Inc.'s expense, (a) cooperate with HCA Holdings, Inc. in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as HCA Holdings, Inc. lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in HCA Holdings, Inc., or HCA Holdings, Inc.'s successors and assigns. I waive any obligation of HCA Holdings, Inc. to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, HCA Holdings, Inc. can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed HCA Holdings, Inc. in writing of any foreign counterparts I would like the option to pursue or prosecute.

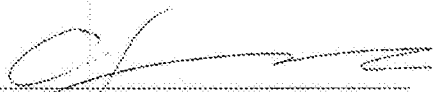
DECLARATION

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 9/14/17



Christian Kraye

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT
CONDITIONS**

Application No. **15/684,747**, filed on **August 23, 2017**

ASSIGNMENT

WHEREAS, I, **William Michael Gregg**, of **Nashville, TN**, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, **HCA Holdings, Inc.**, a corporation of the State of Tennessee having a principle place of business at **2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203**, hereinafter referred to as "**HCA Holdings, Inc.**," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to **HCA Holdings, Inc.** all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by **HCA Holdings, Inc.** and **HCA Holdings, Inc.**'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at **HCA Holdings, Inc.**'s expense, (a) cooperate with **HCA Holdings, Inc.** in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as **HCA Holdings, Inc.** lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in **HCA Holdings, Inc.**, or **HCA Holdings, Inc.**'s successors and assigns. I waive any obligation of **HCA Holdings, Inc.** to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, **HCA Holdings, Inc.** can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed **HCA Holdings, Inc.** in writing of any foreign counterparts I would like the option to pursue or prosecute.

DECLARATION

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Dated: _____

9/14/2017



William Michael Gregg

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT CONDITIONS**

Application No. **15/684,747**, filed on **August 23, 2017**

ASSIGNMENT

WHEREAS, I, **Thomas Andrew Doyle**, of **Franklin, TN**, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, **HCA Holdings, Inc.**, a corporation of the State of Tennessee having a principle place of business at 2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203, hereinafter referred to as "**HCA Holdings, Inc.**," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to **HCA Holdings, Inc.** all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by **HCA Holdings, Inc.** and **HCA Holdings, Inc.**'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

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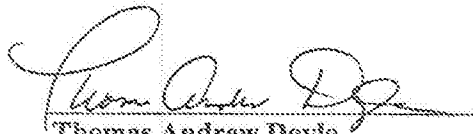
DECLARATION

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- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 9-14-2017


Thomas Andrew Doyle

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT
CONDITIONS**

Application No. **15/684,747**, filed on **August 23, 2017**

ASSIGNMENT

WHEREAS, I, **Paul Brient**, of **Wayland, MA**, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, **HCA Holdings, Inc.**, a corporation of the State of Tennessee having a principle place of business at 2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203, hereinafter referred to as "**HCA Holdings, Inc.**," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to **HCA Holdings, Inc.** all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by **HCA Holdings, Inc.** and **HCA Holdings, Inc.**'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at **HCA Holdings, Inc.**'s expense, (a) cooperate with **HCA Holdings, Inc.** in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as **HCA Holdings, Inc.** lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in **HCA Holdings, Inc.**, or **HCA Holdings, Inc.**'s successors and assigns. I waive any obligation of **HCA Holdings, Inc.** to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, **HCA Holdings, Inc.** can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed **HCA Holdings, Inc.** in writing of any foreign counterparts I would like the option to pursue or prosecute.

DECLARATION

As the above named inventor, I hereby declare that:

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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: _____

9/15/17



Paul Briant

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT CONDITIONS**

Application No. **15/684,747**, filed on **August 23, 2017**

ASSIGNMENT

WHEREAS, I, **Christopher Wobensmith**, of Nashville, TN, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, HCA Holdings, Inc., a corporation of the State of Tennessee having a principle place of business at 2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203, hereinafter referred to as "HCA Holdings, Inc.," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to HCA Holdings, Inc. all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by HCA Holdings, Inc. and HCA Holdings, Inc.'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at HCA Holdings, Inc.'s expense, (a) cooperate with HCA Holdings, Inc. in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as HCA Holdings, Inc. lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in HCA Holdings, Inc., or HCA Holdings, Inc.'s successors and assigns. I waive any obligation of HCA Holdings, Inc. to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, HCA Holdings, Inc. can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed HCA Holdings, Inc. in writing of any foreign counterparts I would like the option to pursue or prosecute.

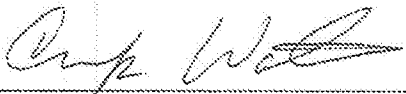
DECLARATION

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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 9-14-2017



Christopher Wobensmith

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT
CONDITIONS**

Application No. **15/684,747**, filed on **August 23, 2017**

ASSIGNMENT

WHEREAS, I, **Jim Najib Jirjis**, of **Nashville, TN**, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, **HCA Holdings, Inc.**, a corporation of the State of Tennessee having a principle place of business at 2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203, hereinafter referred to as "**HCA Holdings, Inc.**," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to **HCA Holdings, Inc.** all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by **HCA Holdings, Inc.** and **HCA Holdings, Inc.**'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at **HCA Holdings, Inc.**'s expense, (a) cooperate with **HCA Holdings, Inc.** in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as **HCA Holdings, Inc.** lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in **HCA Holdings, Inc.**, or **HCA Holdings, Inc.**'s successors and assigns. I waive any obligation of **HCA Holdings, Inc.** to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, **HCA Holdings, Inc.** can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed **HCA Holdings, Inc.** in writing of any foreign counterparts I would like the option to pursue or prosecute.

DECLARATION

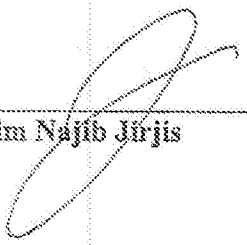
As the above named inventor, I hereby declare that:

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- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: _____

9/14/17



Jim Najib Jirjis

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT
CONDITIONS**

Application No. **15/684,747**, filed on **August 23, 2017**

ASSIGNMENT

WHEREAS, I, **Victoria Weaver**, of **Mt. Juliet, TN**, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, **HCA Holdings, Inc.**, a corporation of the State of Tennessee having a principle place of business at 2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203, hereinafter referred to as "**HCA Holdings, Inc.**," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to **HCA Holdings, Inc.** all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by **HCA Holdings, Inc.** and **HCA Holdings, Inc.**'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at **HCA Holdings, Inc.**'s expense, (a) cooperate with **HCA Holdings, Inc.** in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as **HCA Holdings, Inc.** lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in **HCA Holdings, Inc.**, or **HCA Holdings, Inc.**'s successors and assigns. I waive any obligation of **HCA Holdings, Inc.** to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, **HCA Holdings, Inc.** can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed **HCA Holdings, Inc.** in writing of any foreign counterparts I would like the option to pursue or prosecute.

DECLARATION

As the above named inventor, I hereby declare that:

Page 13 of 26

Attorney Docket No.: 094335-1654602 (004321US)

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 9/22/17

Victoria Weaver
Victoria Weaver

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT CONDITIONS**

Application No. 15/684,747, filed on August 23, 2017

ASSIGNMENT

WHEREAS, I, Jonathan Perlin, of Nashville, TN, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, HCA Holdings, Inc., a corporation of the State of Tennessee having a principle place of business at 2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203, hereinafter referred to as "HCA Holdings, Inc.," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to HCA Holdings, Inc. all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by HCA Holdings, Inc. and HCA Holdings, Inc.'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

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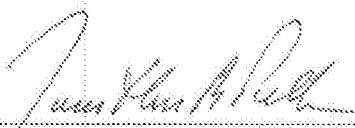
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Dated: 9-18-17


Jonathan Perlin

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT CONDITIONS**

Application No. 15/684,747, filed on August 23, 2017

ASSIGNMENT

WHEREAS, I, **Paul Martin Paslick**, of **Nashville, TN**, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent:

WHEREAS, **HCA Holdings, Inc.**, a corporation of the State of Tennessee having a principle place of business at 2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203, hereinafter referred to as "**HCA Holdings, Inc.**," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to **HCA Holdings, Inc.** all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by **HCA Holdings, Inc.** and **HCA Holdings, Inc.**'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at **HCA Holdings, Inc.**'s expense, (a) cooperate with **HCA Holdings, Inc.** in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as **HCA Holdings, Inc.** lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in **HCA Holdings, Inc.**, or **HCA Holdings, Inc.**'s successors and assigns. I waive any obligation of **HCA Holdings, Inc.** to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, **HCA Holdings, Inc.** can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed **HCA Holdings, Inc.** in writing of any foreign counterparts I would like the option to pursue or prosecute.

DECLARATION

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 9/14/17


Paul Martin Paslick

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT
CONDITIONS**

Application No. 15/684,747, filed on August 23, 2017

ASSIGNMENT

WHEREAS, I, Edmund Jackson, of Nashville, TN, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, HCA Holdings, Inc., a corporation of the State of Tennessee having a principle place of business at 2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203, hereinafter referred to as "HCA Holdings, Inc.," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to HCA Holdings, Inc. all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by HCA Holdings, Inc. and HCA Holdings, Inc.'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at HCA Holdings, Inc.'s expense, (a) cooperate with HCA Holdings, Inc. in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as HCA Holdings, Inc. lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in HCA Holdings, Inc., or HCA Holdings, Inc.'s successors and assigns. I waive any obligation of HCA Holdings, Inc. to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, HCA Holdings, Inc. can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed HCA Holdings, Inc. in writing of any foreign counterparts I would like the option to pursue or prosecute.

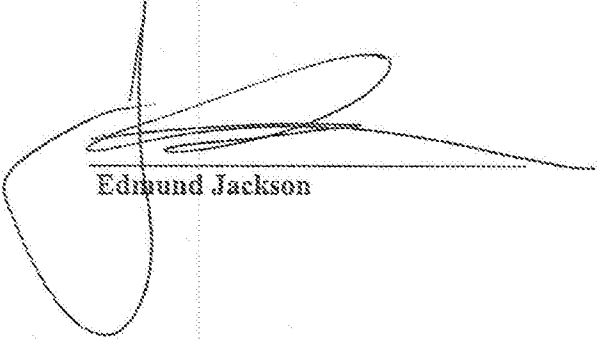
DECLARATION

As the above named inventor, I hereby declare that:

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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 9/14/17



Edmund Jackson

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT CONDITIONS**

Application No. **15/684,747**, filed on **August 23, 2017**

ASSIGNMENT

WHEREAS, I, **Sarah Hume Buta**, of **Arlington, MA**, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, HCA Holdings, Inc., a corporation of the State of Tennessee having a principle place of business at 2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203, hereinafter referred to as "HCA Holdings, Inc.," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to HCA Holdings, Inc. all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by HCA Holdings, Inc. and HCA Holdings, Inc.'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

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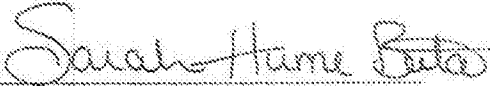
DECLARATION

As the above named inventor, I hereby declare that:

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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 14-Sept-2017


Sarah Hume Buta

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT CONDITIONS**

Application No. **15/357,745**, filed on **November 21, 2016**

ASSIGNMENT

WHEREAS, I, **Erin S. Jospe**, of **Newton, MA**, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, **HCA Holdings, Inc.**, a corporation of the State of Tennessee having a principle place of business at **2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203**, hereinafter referred to as "**HCA Holdings, Inc.**," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to **HCA Holdings, Inc.** all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by **HCA Holdings, Inc.** and **HCA Holdings, Inc.**'s successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 5/25/2017


Erin S. Juspe

COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: **CONTEXTUAL ASSESSMENT OF CURRENT
CONDITIONS**

Application No. 15/684,747, filed on August 23, 2017

ASSIGNMENT

WHEREAS, I, **Umesh P. Phirke**, of **Newton, MA**, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, HCA Holdings, Inc., a corporation of the State of Tennessee having a principle place of business at 2555 Park Plaza, Building 4, Third Floor, Nashville, Tennessee 37203, hereinafter referred to as "HCA Holdings, Inc.," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 19th Sept 17


Umesh P. Phurke