

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT8021434

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the SPELLING OF ASSIGNOR'S NAME previously recorded on Reel 063631 Frame 0203. Assignor(s) hereby confirms the SPELLING SHOULD BE WESLEY BOLES.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTIAN KRAYER	09/20/2019
WILLIAM MICHAEL GREGG	09/28/2019
JIM NAJIB JIRJIS	09/20/2019
KARL BRADLEY KEHLER	09/24/2019
STEVEN V. MANOUKIAN	11/08/2016
VINCENT DOYLE III	11/08/2016
WESLEY BOLES	08/10/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HCA HOLDINGS, INC.
<b>Street Address:</b>	2555 PARK PLAZA, BLDG. 4
<b>City:</b>	NASHVILLE
<b>State/Country:</b>	TENNESSEE
<b>Postal Code:</b>	37203
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17590630
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	vknowles@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON
<b>Address Line 1:</b>	TWO EMBARCADERO CENTER
<b>Address Line 2:</b>	EIGHTH FLOOR
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94111
<b>ATTORNEY DOCKET NUMBER:</b>	094335-1283808 (004640US)
<b>NAME OF SUBMITTER:</b>	VANESSA KNOWLES
<b>SIGNATURE:</b>	/Vanessa Knowles/

**DATE SIGNED:**

06/22/2023

**Total Attachments: 18**

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**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1  
 Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTIAN KRAYER	09/20/2019
WILLIAM MICHAEL GREGG	09/28/2019
JIM NAJIB JIRJIS	09/20/2019
KARL BRADLEY KEHLER	09/24/2019
STEVEN V. MANOUKIAN	11/08/2016
VINCENT DOYLE III	11/08/2016
WESLEY BOYLES	08/10/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HCA HOLDINGS, INC.
<b>Street Address:</b>	2555 PARK PLAZA, BLDG. 4
<b>Internal Address:</b>	THIRD FLOOR
<b>City:</b>	NASHVILLE
<b>State/Country:</b>	TENNESSEE
<b>Postal Code:</b>	37203
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17590630
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<b>Email:</b>	vknowles@kilpatricktownsend.com
<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>	
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON
<b>Address Line 1:</b>	TWO EMBARCADERO CENTER
<b>Address Line 2:</b>	EIGHTH FLOOR
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94111
<b>ATTORNEY DOCKET NUMBER:</b>	094335-1283808 (004640US)
<b>NAME OF SUBMITTER:</b>	VANESSA KNOWLES

<b>Signature:</b>	/Vanessa mKnowles/
<b>Date:</b>	05/12/2023
<b>Total Attachments: 14</b> source=Assignment from Inventors to HCA Holdings_094335-1283808#page1.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page2.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page3.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page4.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page5.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page6.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page7.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page8.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page9.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page10.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page11.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page12.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page13.tif source=Assignment from Inventors to HCA Holdings_094335-1283808#page14.tif	
<b>RECEIPT INFORMATION</b>	
<b>EPAS ID:</b>	PAT7952164
<b>Receipt Date:</b>	05/12/2023

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

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

Application No.   **16/358,282**, filed on **March 19, 2019**

**ASSIGNMENT**

WHEREAS, I, **Christian Krayer**, of **Nolensville, TN**, am an original inventor or joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent, hereinafter referred to as "Inventor";

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.

I hereby authorize and request Kilpatrick Townsend & Stockton LLP, Two Embarcadero Center, Suite 1900, San Francisco, CA 94111, to insert herein above an application number and filing date, when known, of any United States, International or foreign patent application that corresponds to the Application or is directed to any of the Invention(s).

### DECLARATION

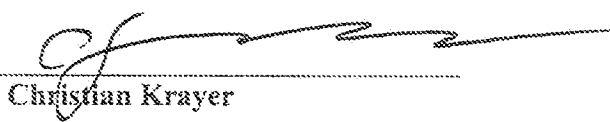
As the above named inventor, I hereby declare that:

- 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: \_\_\_\_\_

9/20/19

  
\_\_\_\_\_  
Christian Krayer

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

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

Application No. **16/358,282**, filed on **March 19, 2019**

**ASSIGNMENT**

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

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.

I hereby authorize and request Kilpatrick Townsend & Stockton LLP, Two Embarcadero Center, Suite 1900, San Francisco, CA 94111, to insert herein above an application number and filing date, when known, of any United States, International or foreign patent application that corresponds to the Application or is directed to any of the Invention(s).

**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: \_\_\_\_\_

9/28/19

\_\_\_\_\_  
William Michael Gregg



**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

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

Application No. **16/358,282**, filed on **March 19, 2019**

**ASSIGNMENT**

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

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.

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### 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: \_\_\_\_\_

9/20/19

  
\_\_\_\_\_  
Jim Najib Jirjis

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

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

Application No. **16/358,282**, filed on **March 19, 2019**

**ASSIGNMENT**

WHEREAS, I, **Karl Bradley Kehler**, of **Nashville, TN**, am an original inventor or joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent, hereinafter referred to as "Inventor";

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.

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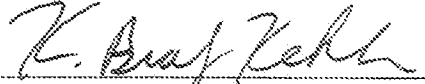
**DECLARATION**

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: 9/24/2019

  
\_\_\_\_\_  
Karl Bradley Kehler

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention:                   **DATA STREAM PROCESSING FOR  
DYNAMIC RESOURCE SCHEDULING**

Application No.   **15/286,397**, filed on **October 5, 2016**

**ASSIGNMENT**

WHEREAS, I, **Steven V. Manoukian**, 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: 11/2/16

  
\_\_\_\_\_  
Steven V. Manoukian

**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **CUSTOMIZABLE REAL-TIME  
ELECTRONIC WHITEBOARD SYSTEM**

Application No. 15/299,617, filed on October 21, 2016

**ASSIGNMENT**

WHEREAS, I, Vincent Doyle III, of Mount Pleasant, SC, 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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- 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: 11/8/16

  
\_\_\_\_\_  
Vincent Doyle III



**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **ASSESSING COMPLETION OF EVENTS**

Application No. **16/170,379**, filed on **October 25, 2018**

**ASSIGNMENT**

WHEREAS, I, **Wesley Boles**, of **Fort Walton Beach, FL**, 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: 8/10/19

Wesley M. Boles  
Wesley Boles