

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4535691

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PATRICK PICHE	11/01/2016
BOGDAN ANGHEL	10/31/2016
OLIVIER CHRISTIN	10/31/2016
SERGIY SAMUS	11/01/2016
ROBERT RICCI	11/01/2016
DANIEL GOSSELIN	11/01/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CAE INC.
<b>Street Address:</b>	8585 COTE-DE-LIESSE
<b>City:</b>	SAINT-LAURENT, QC
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	H4T 1G6
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	9501866
<b>Application Number:</b>	15332239
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(514)878-1450
<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>Phone:</b>	514-392-9589
<b>Email:</b>	ip-montreal@gowlingwlg.com
<b>Correspondent Name:</b>	GOWLING WLG (CANADA) - BENOIT YELLE
<b>Address Line 1:</b>	3700-1 PLACE VILLE MARIE
<b>Address Line 2:</b>	IP DEPARTMENT
<b>Address Line 4:</b>	MONTREAL, QC, CANADA H3B 3P4
<b>ATTORNEY DOCKET NUMBER:</b>	L80008363US
<b>NAME OF SUBMITTER:</b>	BENOIT YELLE
<b>SIGNATURE:</b>	/Benoit Yelle #65625/
<b>DATE SIGNED:</b>	08/04/2017

PATENT

**Total Attachments: 5**

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## CONFIRMATORY WORLDWIDE ASSIGNMENT OF INVENTION

WHEREAS, Patrick PICHÉ, whose full post office address is 376 rue Sauriol, Saint-Eustache, Quebec, J7P 5J1, Canada, Bogdan ANGHEL, whose full post office address is 15768 rue Willow, Pierrefonds, Quebec, H9H 2W5, Canada, Olivier CHRISTIN, whose full post office address is 8585 Cote-de-Liesse, Saint-Laurent, Quebec, H4T 1G6, Canada, Sergiy SAMUS, whose full post office address is 4098 Coloniale Avenue, Montreal, Quebec, H2W 2C1, Canada, Robert RICCI, whose full post office address is 12224 39e Avenue, Montreal, Quebec, H1E 7H4, Canada, and Daniel GOSSELIN, whose full post office address is 8585 Cote-de-Liesse, Saint-Laurent, Quebec, H4T 1G6, Canada (hereinafter referred to as the "Assignors"), are the inventors of the invention(s) and/or improvement(s) (such invention(s) and/or improvement(s) collectively referred to as the "Invention") described in Canadian patent application number 2,847,863 filed March 28, 2014 and U.S. patent application number 14/228,523 filed March 28, 2014, entitled "System and Method for Modeling Virtual Contaminants", and any patent application filed or to be filed anywhere in the world related to the Invention.

WHEREAS, CAE INC., whose full post office address is 8585 Cote-de-Liesse, Saint-Laurent, Quebec, H4T 1G6, Canada (hereinafter referred to as the "Assignee") is desirous of acquiring Assignors' entire right, title and interest in and to said Invention.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, Assignors have and by this present do hereby sell, assign and transfer unto said Assignee, its successors and assign, all of the Inventors' right, title and interest in and to said Invention, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the Patent Cooperation Treaty; the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said Invention, and any divisional, continuation, continuation-in-part, substitute application(s) or supplementary disclosure(s) which may be filed upon said Invention, in any country worldwide; and Assignors hereby authorize and request the issuing authority to issue any and all patents on said applications to said Assignee.

Assignors further agree that this assignment is effective from at least as early as March 28, 2014.

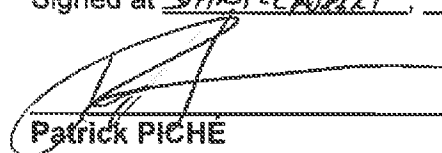
Assignors further agree, without any payment by said Assignee other than expenses incurred by the undersigned, to communicate to said Assignee, its representatives or agents, any facts relating to said Invention, including evidence for interference purposes or for other proceedings, whenever requested; to testify in any interference, litigation or other proceedings, whenever requested; and to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon Assignors' successors, administrators and assigns.

The undersigned hereby authorize the firm of GOWLING LAFLEUR HENDERSON LLP to correct errors or omissions in this assignment or to insert any further identification or other information necessary or desirable to make this assignment suitable for recordal in Patent Offices.

IN WITNESS WHEREOF, each of the parties has signed this Assignment of Invention at the places and on the dates indicated below.

**ASSIGNOR:**

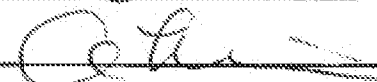
Signed at SAINT-LAURENT, Quebec, this 1<sup>st</sup> day of November, 2016.

  
 \_\_\_\_\_  
 Patrick PICHE

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named Assignor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signed at Saint-Lawrent, Quebec, this 1 day of November, 2016.

Signature of Witness:   
 \_\_\_\_\_

Name of Witness: A. Fernie  
 \_\_\_\_\_

**ASSIGNOR:**

Signed at Saint-Laurent, Canada, this 31 day of October, 2016.

Bogdan ANGHEL  
Bogdan ANGHEL

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named Assignor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signed at Saint-Laurent, Canada, this 31 day of October, 2016.

Signature of Witness: [Signature]

Name of Witness: NAZARON Mobin

**ASSIGNOR:**

Signed at Saint-Laurent, Canada, this 31 day of October, 2016.

Olivier CHRISTIN  
Olivier CHRISTIN

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named Assignor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signed at Saint-Laurent, Canada, this 31 day of October, 2016.

Signature of Witness: [Signature]

Name of Witness: NAZARON Mobin

**ASSIGNOR:**

Signed at Saint Laurent, QC, this 1 day of November, 2016.

Sergly SAMUS

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named Assignor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signed at Saint Laurent, Quebec, this 1 day of November, 2016.

Signature of Witness: A. Fernie

Name of Witness: A. Fernie

**ASSIGNOR:**

Signed at Saint Laurent, Canada, this 1 day of NOVEMBER, 2016.

Robert RICCI

**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named Assignor, who is personally known to me, duly execute the above assignment on the date therein set forth.

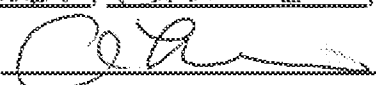
Signed at Saint Laurent, Canada, this 1 day of November, 2016.

Signature of Witness: Nazroon Mobin

Name of Witness: Nazroon Mobin

**ASSIGNOR:**Signed at Saint-Léonard, Québec, this 1 day of November, 2016.  
Daniel GOSSELIN**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named Assignor, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signed at Saint-Léonard, Québec, this 1 day of November, 2016.Signature of Witness: Name of Witness: A. Ferrière**ASSIGNEE:**

CAE INC.

  
Name: THIERRY PAULTitle: Manager, Intellectual Property**CERTIFICATE OF WITNESS**

I acknowledge that I was personally present and did see the above-named Assignee, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signed at Saint-Léonard, Canada, this 1 day of November, 2016.Signature of Witness: Name of Witness: Narissa Mobin