

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT8146072

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	THALES CANADA INC.	08/04/2023
RECEIVING PARTY DATA		
Name:	GROUND TRANSPORTATION SYSTEMS CANADA INC.	
Street Address:	105 MOATFIELD DRIVE	
City:	TORONTO	
State/Country:	CANADA	
Postal Code:	M3B 0A4	
PROPERTY NUMBERS Total: 8		
Property Type	Number	
Patent Number:	9405914	
Patent Number:	9085310	
Patent Number:	8477067	
Patent Number:	8798206	
Patent Number:	8668170	
Patent Number:	8306136	
Patent Number:	9002546	
Patent Number:	9096245	
CORRESPONDENCE DATA		
Fax Number:	(416)595-1163	
<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>		
Phone:	416-849-8390	
Email:	druston@marks-clerk.ca	
Correspondent Name:	DAVID A. RUSTON	
Address Line 1:	33 YONGE STREET, SUITE 300	
Address Line 4:	TORONTO, CANADA M5E 1G4	
ATTORNEY DOCKET NUMBER:	AT222439CA	
NAME OF SUBMITTER:	DAVID A. RUSTON	
SIGNATURE:	/David A. Ruston/	

DATE SIGNED:	09/01/2023
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Total Attachments: 9

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ASSIGNMENT

WHEREAS, **Thales Canada Inc.**, (hereinafter referred to as "ASSIGNOR"), having a place of business at 105 Moatfield Drive, Toronto, ON M3B 04A, Canada, is the owner of certain patents and applications set out in Schedule A attached hereto (hereinafter collectively "the Patents") and wishes to transfer all right, title and interest to the Patents"; and

WHEREAS, **Ground Transportation Systems Canada Inc.** (hereinafter referred to as "ASSIGNEE"), having a place of business at 105 Moatfield Drive, Toronto, ON M3B 04A, Canada, has acquired from the ASSIGNOR its entire right, title and interest in and to the Patents, in all countries of the world, including its rights to the Patents and all related applications and patents thereon, including any and all international, national and regional phase applications based on the Patents, and other counterpart applications in all countries, and any and all substitutes, divisionals, continuations and continuations-in-part, and any Letters Patent that may be obtained therefor, and in any and all reissues, extensions, renewals and reexaminations of such applications and patents, including the right to claim priority to the Patents, and to all related applications and patents thereon filed by the ASSIGNOR or ASSIGNEE, including the benefit of any right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and the benefit of any right of priority provided by any convention or treaty under domestic or foreign law, and to invoke and claim any such right of priority without further written or oral authorization from the ASSIGNOR;

NOW THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of all of which is hereby acknowledged, the ASSIGNOR hereby confirms that it has assigned, and to any extent not done, does hereby sell and assign, transfer and set over to the ASSIGNEE, all its right, title and interest for Canada, the United States of America, its territories, dependencies and possessions, and for all other countries in the world, in and to the invention, including their rights to the Patents, and all related applications and patents thereon, including the right to claim priority to the Patents and to all related applications and patents thereon, to be held and enjoyed by the ASSIGNEE, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by them, had this Assignment not been made.

The ASSIGNOR shall without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain the Patents for the invention, and all related applications and patents thereon, in any and all countries, and to vest title thereto in the ASSIGNEE, its successors, assigns and legal representatives or nominees and the ASSIGNEE hereby accepts the assignment of the Patents.

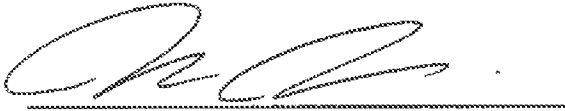
The ASSIGNOR and the ASSIGNEE authorize and empower Marks & Clerk Canada, whose complete address is 33 Yonge Street, Suite 300, Toronto, Ontario, M5E 1G4, Canada, to insert on this Assignment any further identification, to prepare any translation which may be necessary or desirable in order to comply with the rules for recordation of this document in any country and to correct any clerical error in this Assignment.

The Commissioners of Patents & Trademarks are hereby authorized and requested to issue any Letters Patent for the Patents, and all related applications thereon, to the ASSIGNEE, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted, as fully and entirely as the same would have been held by the ASSIGNOR had this Assignment and sale not been made.

If a provision of this Assignment is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

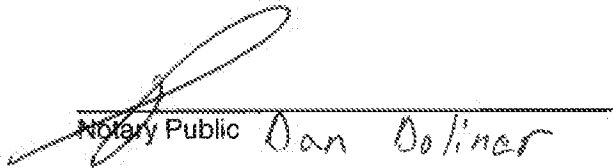
For the purpose of all legal proceedings this Assignment will be deemed to have been performed in the Province of Ontario and will be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

SWORN BEFORE ME at the City)
of Toronto, Province of Ontario)
this ^{14th} day of ^{August} ~~July~~, 2023)



Notary Public MARIA SAGQUELINE WAJMAN D.

SWORN BEFORE ME at the City)
of Toronto, Province of Ontario)
this ¹⁶ day of ~~July~~ 2023)
^{August D.D}



Notary Public Dan Doliner

Thales Canada Inc.

By: Daniel Maron

Name: Daniel Maron

Title: SECRETARY

Ground Transportation Systems Canada Inc.

By: John Monnibal

Name: JOHN MONNIBAL

Title: Secretary

SCHEDULE A

Case Ref.	Official No.	Title	Case Status	Country	Property Type
PW013771US	9,405,914	DATA ANALYSIS SYSTEM	Granted / Registered	United States of America	Patent
PW013789US	9,085,310	METHOD OF DETERMINING THE POSITION OF A VEHICLE MOVING ALONG A GUIDEWAY	Granted / Registered	United States of America	Patent
PW013902DEQ	2724180	VEHICLE LOCALIZATION SYSTEM	Validation completed	Germany	Patent
PW013902ESQ	2724180	VEHICLE LOCALIZATION SYSTEM	Validation completed	Spain	Patent
PW013902FRQ	2724180	VEHICLE LOCALIZATION SYSTEM	Validation completed	France	Patent
PW013902GBQ	2724180	VEHICLE LOCALIZATION SYSTEM	Validation completed	United Kingdom	Patent
PW013902US	8,477,067	VEHICLE LOCALIZATION SYSTEM	Granted / Registered	United States of America	Patent
PW013907US	8,798,206	VITAL DIGITAL INPUT	Granted / Registered	United States of America	Patent
PW013934DEQ	2723623	RAILWAY SIGNALING SYSTEM WITH REDUNDANT CONTROLLERS	Validation completed	Germany	Patent
PW013934FRQ	2723623	RAILWAY SIGNALING SYSTEM WITH REDUNDANT CONTROLLERS	Validation completed	France	Patent
PW013934GBQ	2723623	RAILWAY SIGNALING SYSTEM WITH REDUNDANT CONTROLLERS	Validation completed	United Kingdom	Patent
PW013934ITQ	2723623	RAILWAY SIGNALING SYSTEM WITH REDUNDANT CONTROLLERS	Validation completed	Italy	Patent
PW013934US	8,668,170	RAILWAY SIGNALING SYSTEM WITH REDUNDANT CONTROLLERS	Granted / Registered	United States of America	Patent
PW015394DEAQ	EP2875674	INTRA-TRAIN NETWORK MANAGEMENT SYSTEM	Validation completed	Germany	Patent

SCHEDULE A

PW015394FRAQ	EP2875674	INTRA-TRAIN NETWORK MANAGEMENT SYSTEM	Validation completed	France	Patent
PW015394GBAQ	EP2875674	INTRA-TRAIN NETWORK MANAGEMENT SYSTEM	Validation completed	United Kingdom	Patent
PW015394ITAQ	EP2875674	INTRA-TRAIN NETWORK MANAGEMENT SYSTEM	Validation completed	Italy	Patent
PW072797US	8306136	COMMUNICATIONS SYSTEM UTILIZING ORTHOGONAL LINEAR FREQUENCY MODULATED WAVEFORMS	Granted / Registered	United States of America	Patent
PW073091US	9,002,546	CONTROL OF AUTOMATIC GUIDED VEHICLES WITHOUT WAYSIDE INTERLOCKING	Granted / Registered	United States of America	Patent
PW073145DEQ	2803058	VITAL DIGITAL INPUT	Validation completed	Germany	Patent
PW073145FRQ	2803058	VITAL DIGITAL INPUT	Validation completed	France	Patent
PW073145GBQ	2803058	VITAL DIGITAL INPUT	Validation completed	United Kingdom	Patent
PW073225CA	2836640	CONTROL OF AUTOMATIC GUIDED VEHICLES WITHOUT WAYSIDE INTERLOCKING	Granted / Registered	Canada	Patent
PW073226EP	12800734.1	CONTROL OF AUTOMATIC GUIDED VEHICLES WITHOUT WAYSIDE INTERLOCKING	Under examination	European Patent Office	Patent
PW073227IN	430307	CONTROL OF AUTOMATIC GUIDED VEHICLES WITHOUT WAYSIDE INTERLOCKING	Granted / Registered	India	Patent
PW073229KR	10-1618077	CONTROL OF AUTOMATIC GUIDED VEHICLES WITHOUT WAYSIDE INTERLOCKING	Granted / Registered	Republic of Korea	Patent
PW073231MY	MY-175071-A	CONTROL OF AUTOMATIC GUIDED VEHICLES WITHOUT	Granted / Registered	Malaysia	Patent

SCHEDULE A

		WAYSIDE INTERLOCKING			
PW073232JP	6104901	CONTROL OF AUTOMATIC GUIDED VEHICLES WITHOUT WAYSIDE INTERLOCKING	Granted / Registered	Japan	Patent
PW073234CA	2837684	VEHICLE LOCALIZATION SYSTEM	Granted / Registered	Canada	Patent
PW073240IN	419218	VEHICLE LOCALIZATION SYSTEM	Granted / Registered	India	Patent
PW073253JP	5996642	RAILWAY SIGNALING SYSTEM WITH REDUNDANT CONTROLLERS	Granted / Registered	Japan	Patent
PW073258IN	357968	RAILWAY SIGNALING SYSTEM WITH REDUNDANT CONTROLLERS	Granted / Registered	India	Patent
PW073260CA	2837645	RAILWAY SIGNALING SYSTEM WITH REDUNDANT CONTROLLERS	Granted / Registered	Canada	Patent
PW073274USA	9,096,245	RAILWAY SIGNALING SYSTEM WITH REDUNDANT CONTROLLERS	Granted / Registered	United States of America	Patent
PW073319CA	2862975	VITAL DIGITAL INPUT	Granted / Registered	Canada	Patent
PW073324JP	6157504	VITAL DIGITAL INPUT	Granted / Registered	Japan	Patent
PW073342HK	HK1195288	RAILWAY SIGNALING SYSTEM WITH REDUNDANT CONTROLLERS	Granted / Registered	Hong Kong	Patent
PW073361HK	14109919.3	CONTROL OF AUTOMATIC GUIDED VEHICLES WITHOUT WAYSIDE INTERLOCKING	Published	Hong Kong	Patent
PW073379JP	6312263	INTRA-TRAIN NETWORK MANAGEMENT SYSTEM	Granted / Registered	Japan	Patent
PW073380HK	1205613	INTRA-TRAIN NETWORK MANAGEMENT SYSTEM	Granted / Registered	Hong Kong	Patent
PW073381CN	ZL201380048110.9	INTRA-TRAIN NETWORK	Granted / Registered	China	Patent

SCHEDULE A

		MANAGEMENT SYSTEM			
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NOTARIAL CERTIFICATE

CANADA)

PROVINCE OF ONTARIO)

I, Dan Doliner, Notary Public in and for the Province of Ontario, duly appointed by Royal Authority, residing in Toronto, Ontario, hereby certify that Assignment attached to this certificate dated August 16, 2023, is a true original document signed before me by Jason Hannibal, Secretary and Vice President, Legal and Contracts of Ground Transportation Systems Canada Inc.

I have signed my name and affixed my notarial seal of office to this certificate at Toronto, Ontario this 16 day of August 2023.

Dan Doliner

A Notary Public in and for the Province of Ontario

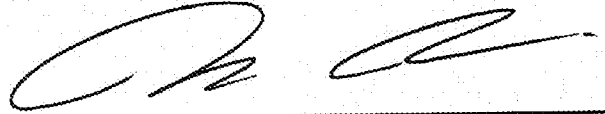
NOTARIAL CERTIFICATE

CANADA)

PROVINCE OF ONTARIO)

I, Maria Jacqueline Wagland, Notary Public in and for the Province of Ontario, duly appointed by Royal Authority, residing in Toronto, Ontario, hereby certify that Assignment attached to this certificate dated August 4, 2023 is a document signed remotely by Daniel Marion Secretary and General Counsel of Thales Canada Inc. in Montreal, Canada before me in Toronto, Canada in accordance with O. Reg. 431/20, Adminstrating Oath or Declaration Remotely.

I have signed my name and affixed my notarial seal of office to this certificate at Toronto, Ontario this 4th day of August 2023.



Maria Jacqueline Wagland

A Notary Public in and for the Province of Ontario

