506308512 10/18/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6355261

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOMI SIMULA	05/04/2020
MIKA PAANI	05/05/2020
MIIKKA KARNA	05/14/2020
OUTI RUSANEN	05/08/2020
JOHANNA JUVANI	05/14/2020
TAPIO RAUTIO	05/05/2020
MARKO SUO-ANTTILA	05/08/2020
MIKKO HEIKKINEN	05/11/2020

RECEIVING PARTY DATA

Name:	TACTOTEK OY		
Street Address:	AUTOMAATIOTIE 1		
City:	OULUNSALO		
State/Country:	FINLAND		
Postal Code:	90460		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17072474

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 6315015700

Email: docket@carterdeluca.com, dbroderick@carterdeluca.com

Correspondent Name: CARTER, DELUCA & FARRELL LLP

Address Line 1: 576 BROAD HOLLOW ROAD Address Line 4: MELVILLE, NEW YORK 11747

ATTORNEY DOCKET NUMBER:	44605-37 DIV	
NAME OF SUBMITTER:	ROBERT P. MICHAL	
SIGNATURE:	/Robert P. Michal/	

PATENT REEL: 054108 FRAME: 0037

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Total Attachments: 8 source=assignments as filed (01710674)#page1.tif source=assignments as filed (01710674)#page2.tif source=assignments as filed (01710674)#page3.tif source=assignments as filed (01710674)#page4.tif source=assignments as filed (01710674)#page5.tif source=assignments as filed (01710674)#page6.tif source=assignments as filed (01710674)#page6.tif source=assignments as filed (01710674)#page7.tif

source=assignments as filed (01710674)#page8.tif

TITLE OF

INVENTION:	METHOD OF MAINURACTURE OF A	INCTURE AND STRUCTURE
As the below named invent	or, I hereby declare that:	
This declaration is directed	10 7	
The attached application United States application	t, or n or PCT international application number	filed on
The above-identified applic	ation was made or authorized to be made by me.	
I believe that I am the origin	nal inventor or an original joint inventor of a claimed in	vention in the application.
I hereby acknowledge that a imprisonment of not more t	my willful false statement made in this declaration is pu han five (5) years, or both.	nishable under 18 U.S. C. § 1001 by fine or
	ow-identified Inventor, have invented certain new and ubed in the above-identified patent application(s) and/or	
Finland, is desirous of acq	<u>c Ov</u> (hereinafter "Assignee") having place of business a uiring the entire right, title and interest in and to said inv n the United States or its territorial possessions and in a	rention and in and to any Letters Patent that
	witnesseth, that in consideration of the sum of ONE DO	LLAR (\$1.00), the receipt of which is
identified above, including Patent of the United States reissues and reexamination priority rights, Convention	nd transfer my above-identified rights, title and interest in any divisions, continuations, and continuations, in-part in any countries foreign thereto, which may be granted for sail thereof, which may be granted or have granted for sail in rights, and other benefits accruing or to accrue to us within the United States and countries foreign thereto, ur	thereof, and in and to any and all Letters or said Invention, and in and to any and all d Invention, and in and to any and all th respect to the filing of applications for
	e and request the Commissioner of Patents and Tradema said Invention to said Assignee, as assignee of the whol	
patents, for filing division reissue or reissues of any l	sign and execute all necessary and lawful further docum s, continuations, and continuations-in-part of said applic Letters Patent which may be granted for my aforesaid In me to time require and prepare at its own expense.	ation for patent and/or for obtaining any
Hollow Road, Suite 420, 1	ants the firm of CARTER, DELUCA, FARRELL & SC Melville, New York 11747, the power to insert on this as able in order to comply with the rules of the United State	signment any further identification which
LEGAL NAME OF INVENTOR	Inventor: Tomi SIMULA Signature:	Date: 2020 - 05 - 07

CARTER, DELUCA, FARRELL & SCHMIDT, LLP 445 BROAD HOLLOW ROAD, SUITE 420 MELVILLE, NEW YORK 11747

TITLE OF METHOD OF MANUFACTURE OF A STRUCTURE AND STRUCTURE AND STRUCTURE OF A STRUCTURE AND STRUCT				
As the below named inventor	, I hereby declare that:			
This declaration is directed to	ne daen officiolae no dae officiolo. Ma			
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I believe that I am the origina	I inventor or an original joint inventor of a claimed inve	ention in the application.		
I hereby acknowledge that an imprisonment of not more the	y willful false statement made in this declaration is puni in five (5) years, or both.	ishable under 18 U.S. C. § 1001 by fine or		
WHEREAS, I, the belo- identified above and describ	w-identified Inventor, have invented certain new and use ed in the above-identified patent application(s) and/or p	eful improvements in the Invention patent(s) (hereinafter "Invention");		
Finland, is desirous of acqui	Oy (hereinafter "Assignee") having place of business at ring the entire right, title and interest in and to said inverthe United States or its territorial possessions and in any	ention and in and to any Letters Patent that		
	tnesseth, that in consideration of the sum of ONE DOLI or other good and valuable consideration;	LAR (\$1.00), the receipt of which is		
identified above, including a Patent of the United States, reissues and reexaminations priority rights, Convention a	transfer my above-identified rights, title and interest in my divisions, continuations, and continuations-in-part thand countries foreign thereto, which may be granted for thereof, which may be granted or have granted for said ights, and other benefits accruing or to accrue to us with s in the United States and countries foreign thereto, unto	hereof, and in and to any and all Letters said Invention, and in and to any and all Invention, and in and to any and all respect to the filing of applications for		
And I hereby authorize Patent which my issue for sa	and request the Commissioner of Patents and Trademark and Invention to said Assignee, as assignee of the whole	ks to issue any Untied States Letters right, title and interest thereto;		
patents, for filing divisions, reissue or reissues of any Le	gn and execute all necessary and lawful further docume continuations, and continuations-in-part of said applicat sters Patent which may be granted for my aforesaid lave to time require and prepare at its own expense.	tion for patent and/or for obtaining any		
Hollow Road, Suite 420, Ma	nts the firm of CARTER, DELUCA, FARRELL & SCE clville, New York 11747, the power to insert on this assi le in order to comply with the rules of the United States	ignment any further identification which		
LEGAL NAME	Inventor: Mika PAANI			

CARTER, DELUCA, FARRELL & SCHMIDT, LLP 445 BROAD HOLLOW ROAD, SUITE 420 MELVILLE, NEW YORK 11747

OF INVENTOR

Signature:

TITLE OF	METHOD OF MANUFACTURE OF A STRUCTURE AND STRUCTURE
INVENTION:	
As the below named inventor	, I hereby declare that:
This declaration is directed to	
The attached application, United States application	or or PCT international application numberfiled on
The above-identified applicat	ion was made or authorized to be made by me.
I believe that I am the origina	il inventor or an original joint inventor of a claimed invention in the application.
I hereby acknowledge that an imprisonment of not more that	y willful false statement made in this declaration is punishable under 18 U.S. C. § 1001 by fine or in five (5) years, or both.
WHEREAS, I, the below identified above and describe	-identified Inventor, have invented certain new and useful improvements in the Invention d in the above-identified patent application(s) and/or patent(s) (hereinafter "Invention"):
WHEREAS, TactoTek C	by (hereinafter "Assignee") having place of business at: <u>Automaatiotie 1, 90460 Oulunsalo.</u> ing the entire right, title and interest in and to said invention and in and to any Letters Patent that he United States or its territorial possessions and in any and all foreign countries;
NOW, this indenture wit acknowledged, and for other	nesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby good and valuable consideration;
identified above, including at Patent of the United States, a reissues and reexaminations rights, Convention rights, and	transfer my above-identified rights, title and interest in said Invention, said application(s) as my divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters and countries foreign thereto, which may be granted for said Invention, and in and to any and all thereof, which may be granted or have granted for said Invention, and in and to any and all priority diother benefits accruing or to accrue to us with respect to the filing of applications for patents or ited States and countries foreign thereto, unto said Assignee;
And I hereby authorize a which my issue for said lave	and request the Commissioner of Patents and Trademarks to issue any Untied States Letters Patent ntion to said Assignee, as assignee of the whole right, title and interest thereto:
patents, for filing divisions, or reissue or reissues of any Lei	gn and execute all necessary and lawful further documents, including applications for foreign continuations, and continuations-in-part of said application for patent and/or for obtaining any ners Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and time require and prepare at its own expense.

CARTER, DELUCA, FARRELL & SCHMIDT, LLP 445 BROAD HOLLOW ROAD, SUITE 420 MELVILLE, NEW YORK 11747

The undersigned hereby grants the firm of CARTER, DELUCA, FARRELL & SCHMIDT, LLP, located at 445 Broad Hollow Road, Suite 420, Melville, New York 11747, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

Inventor: Miikka KÄRNÄ

LEGAL NAME OF INVENTOR

TITLE OF INVENTION:	METHOD OF MANUFACTURE OF A STRUCTURE AND STRUCTURE
As the below named inventor,	I hereby declare that:
This declaration is directed to:	
The attached application, o United States application o	r PCT international application numberfiled on
The above-identified application	on 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 imprisonment of not more than	willful false statement made in this declaration is punishable under 18 U.S. C. § 1001 by fine or five (5) years, or both.
WHEREAS, I, the below identified above and describe	identified Inventor, have invented certain new and useful improvements in the Invention in the above-identified patent application(s) and/or patent(s) (hereinafter "Invention");
Finland, is desirous of acquiri	y (hereinafter "Assignee") having place of business at: <u>Automaatiotie 1, 90460 Oulunsalo,</u> ng the entire right, title and interest in and to said invention and in and to any Letters Patent that he United States or its territorial possessions and in any and all foreign countries;
NOW, this indenture witr hereby acknowledged, and for	tesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is other good and valuable consideration;
identified above, including an Patent of the United States, an reissues and reexaminations the priority rights, Convention rig	ransfer my above-identified rights, title and interest in said Invention, said application(s) as y divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters id countries foreign thereto, which may be granted for said Invention, and in and to any and all nereof, which may be granted or have granted for said Invention, and in and to any and all hts, and other benefits accruing or to accrue to us with respect to the filing of applications for in the United States and countries foreign thereto, unto said Assignee;
And I hereby authorize an Patent which my issue for said	nd request the Commissioner of Patents and Trademarks to issue any Untied States Letters. I Invention to said Assignee, as assignee of the whole right, title and interest thereto;
patents, for filing divisions, or reissue or reissues of any Lem	n and execute all necessary and lawful further documents, including applications for foreign infiniations, and continuations-in-part of said application for patent and/or for obtaining any ere Patent which may be granted for my aforesaid Invention, as the Assignee or its successors to time require and prepare at its own expense.
Hollow Road, Suite 420, Mels	s the firm of CARTER, DELUCA, FARRELL & SCHMIDT, LLP, located at 445 Broad rille, New York 11747, the power to insert on this assignment any further identification which in order to comply with the rules of the United States Patent Office for recordation of this

CARTER, DELUCA, FARRELL & SCHMIDT, LLP
445 BROAD HOLLOW ROAD, SUITE 420
MELVILLE, NEW YORK 11747

Inventor: Outi RUSANEN

LEGAL NAME OF INVENTOR

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METHOD OF MANUFACTURE OF A STRUCTURE AND STRUCTURE

INVENTION:	
As the below named inventor, I hereby declare that:	
This declaration is directed to:	
The strached application, or United States application or PCT international application number filed on	
The above-identified application was made or authorized to be made by me.	
believe that I am the original inventor or an original joint inventor of a claimed invention in the application	
bereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S. C. § 1001 by fir reprisonment of not more than five (5) years, or both.	ne or
WHEREAS, I, the below-identified inventor, have invented certain new and useful improvements in the invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter "Invention");	
WHEREAS, <u>TactoTck Oy</u> (hereinafter "Assignee") having place of business at: <u>Automastiotic 1, 90460 Outunsalo.</u> <u>Finland</u> is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Paten may be granted therefore in the United States or its territorial possessions and in any and all foreign countries;	
NOW, this indenture witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is sereby acknowledged, and for other good and valuable consideration;	
I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) a dentified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Lett along the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any an assisted and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all riority rights. Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications atents or securing of patents in the United States and countries foreign thereto, unto said Assignee:	ters id all
And Thereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters arent which my issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto.	i.
And I further agree to sign and execute all necessary and lawful further documents, including applications for foreigners, for filling divisions, continuations, and continuations-in-part of said application for patent and/or for obtaining assure or reissues of any Letters Patent which may be granted for my aforesaid invention, as the Assignee or its successed designees may from time to time require and prepare at its own expense.	any
he undersigned hereby grants the firm of CARTER DELUCA FARRELL & SCHMIDT, LLP, located at 445 Broad oflow Road, Suite 420, Melville. New York 11747, the power to insert on this assignment any further identification was be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of the coment.	vhich
EGAL NAME Inventor: Johanna JUVANI FINVENTOR Signature Date: 14.5.2020	

CARTER, DELUCA, FARRELL & SCHMIDT, LLP 445 BROAD HOLLOW ROAD, SUITE 420 MELVILLE, NEW YORK 11747

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		MEINOU OF MANUFACIURE OF AS	TRUCTURE AND STRUCTURE	
	INVENTION:			
	As the below named inventor, I hereby declare that:			
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	The attached application, or United States application or PCT international application number			
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 five (5) years, or both.			
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	NOW, this indenture witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration;			
	I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations—in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignce;			
	And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any Untied States Letters Patent which my issue for said Invention to said Assignce, as assignee of the whole right, title and interest thereto;			
***************************************	And I further agree to sign and execute all necessary and lawful further documents, including applications for foreign patents, for filing divisions, continuations, and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees may from time to time require and prepare at its own expense.			
The undersigned hereby grants the firm of CARTER, DELUCA, FARRELL & SCHMIDT, LLP, located at 445 Broad Hollow Road, Suite 420, Melville, New York 11747, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.				
-	LEGAL NAME	Inventor: Tapio RAUTIO	- April 1990 - Apr	
-	OF INVENTOR	0.	Date: 5.5.2026	

CARTER, DELUCA, FARRELL & SCHMIDT, LLP 445 BROAD HOLLOW ROAD, SUITE 420 MELVILLE, NEW YORK 11747

Signature_

TITLE OF INVENTION:

OF INVENTOR

METHOD OF MANUFACTURE OF A STRUCTURE AND STRUCTURE

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As the below named inventor, I hereby declare that:			
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LECAL NAME Inventor: Marko SUO-ANTTILA			

CARTER, DELUCA, FARRELL & SCHMIDT, LLP 445 BROAD HOLLOW ROAD, SUITE 420 MELVILLE, NEW YORK 11747

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	nd request the Commissioner of Patents and Trademarks to issue any Untied States Letters Patent strong to said Assignee, as assignee of the whole right, title and interest thereto;
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UE INALIAME	nventor: Mikko HEIKKINEN Date:

CARTER, DELUCA, FARRELL & SCHMIDT, LLP 445 BROAD HOLLOW ROAD, SUITE 420 MELVILLE, NEW YORK 11747

Signature:

PATENT REEL: 054108 FRAME: 0046

RECORDED: 10/18/2020