PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5674947

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTIAS NILSSON	07/24/2019
MARCO TRINCAVELLI	07/09/2019
SAMUEL MALINEN	07/10/2019
MAGNUS GRANSTROM	08/15/2019
JULIEN BIDOT	08/15/2019
MARCELLO CIRILLO	08/15/2019

RECEIVING PARTY DATA

Name:	SCANIA CV
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City:	SODERTALJE
State/Country:	SWEDEN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16476888

CORRESPONDENCE DATA

Fax Number: (212)382-0888

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.

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ATTORNEY DOCKET NUMBER:	P/1228-564			
NAME OF SUBMITTER:	ROBERT C. FABER			
SIGNATURE:	/robert c faber/			
DATE SIGNED:	08/19/2019			
	This document serves as an Oath/Declaration (37 CFR 1.63).			
Total Attachments: 8				

Total Attachments: 8

PATENT REEL: 050089 FRAME: 0827

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PATENT REEL: 050089 FRAME: 0828

Attorney Docket Number P/1228-564 DECLARATION FOR UTILITY OR DESIGN First Named Inventor **Mattias NILSSON** PATENT APPLICATION (37 CFR 1.63) AND COMPLETE IF KNOWN ASSIGNMENT Application Number Filing Date METHOD AND CONTROL UNIT FOR GROUND BEARING CAPACITY ANALYSIS (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: The attached application, OR X United States application number or PCT International application number PCT/SE2018/050031 filed on 15 January 2018. The above-identified application was made or authorized to be made by me. I believe 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. WHEREAS, Scania CV AB, having a place of business at 151 87 Södertälje, Sweden, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor. NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I (we), as inventor(s) and as assignor(s), hereby sell, assign and set over to said assignee the entire right, title and interest for the United States in and to said aforesaid application for Patent and all my (our) invention(s) disclosed and claimed in said aforesaid application, all original, divisional, continuation, substitute, reissue or reexamination applications and patents applied for or granted therefor in the United States and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said invention(s) or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself (ourselves) and my (our) legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said invention(s) and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said invention(s), whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention(s) in the United States, the expenses incident to said

LEGAL NAME OF SOLE OR FIRST INVENTOR Mattias NILSSON		INVESTOR'S SIGNATURE		DATE 29/7	2019
RESIDENCE: CITY Södertälje	STATE		Sweden	Minimum and a second	
MAILING ADDRESS Kringelvägen 4B, 151 33 Södertälje,	Sweden			de Alembert errorden de servien beherden de planinisation begannschapigische	

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applications to be borne and paid by said assignee.

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Attorney Docket Number

P/1228-564

WARNING:

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LEGAL NAME OF ADDITIONAL JOINT INVENTOR, II Marco TRINCAVELLI	FANY:	INVENTOR'S SIGNATURE		DATE
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RESIDENCE: CITY	STATE		COUNTRY	L
Älvsjö			Sweden	•
MAILING ADDRESS	L		L	
Älvsjövägen 14 1203, 125 45 Älvsjö, Sv	vadan			
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LEGAL NAME OF ADDITIONAL JOINT INVENTOR, II	FANY:	INVENTOR'S SIGNATURE		DATE
Samuel MALINEN				
RESIDENCE: CITY	STATE	dinaramananan di	COUNTRY	
Stockholm			Sweden	
MAILING ADDRESS		atoriorententententententententententententente	L	·
	Curadan			
Hildebergsvägen 12, 117 62 Stockholm,				
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF	ANY:	INVENTOR'S SIGNATURE		DATE
Magnus GRANSTRÖM				
RESIDENCE: CITY	STATE	<u> </u>	COUNTRY	
Hägersten	-		Sweden	
MAILING ADDRESS	 	***************************************		
Skridskovägen 9E, 129 49 Hägersten, Sv	wadan			
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Julien BIDOT	ANY:	INVENTOR'S SIGNATURE		DATE
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Södertälje			Sweden	
MAILING ADDRESS				
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Erikshällsgatan 73, 151 46 Södertälje, Sv	weden			
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF	'ANY:	INVENTOR'S SIGNATURE		DATE
Marcello CIRILLO				
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RESIDENCE: CITY	STATE		COUNTRY	
Hägersten			Sweden	
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Aprilgatan 12B, 126 33 Hägersten, Swed	len			
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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) AND ASSIGNMENT Attorney Docket Number First Named Inventor COMPLETE IF KNOWN Application Number Filing Date METHOD AND CONTROL UNIT FOR GROUND BEARING CAPACITY ANALYSIS

ı				
	Filing Date			
METHOD AND CONTROL UNIT FOR GROUND BEARING CAPACITY ANALYSIS				
As a below named inventor, I hereby declare that: This declaration is directed to: The attached application, OR	he Invention)			
United States application number or PCT Internation filed on 15 January 2018.	ial application number PC	T/SE2018/050031		
The above-identified application was made or authorized to I believe I am the original inventor or an original joint involved I hereby acknowledge that any willful false statement made fine or imprisonment of not more than five (5) years, or both	entor of a claimed invention le in this declaration is pun			
WHEREAS, Scania CV AB, having a place of business at	t <u>151 87 Södertälje, Swed</u>	en, as assignce, is desirous of		
acquiring all right, title and interest in and to said invention a	and any Patent that may be	granted therefor.		
NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I (we), as inventor(s) and as assignor(s), hereby sell, assign and set over to said assignee the entire right, title and interest for the United States in and to said aforesaid application for Patent and all my (our) invention(s) disclosed and claimed in said aforesaid application, all original, divisional, continuation, substitute, reissue or reexamination applications and patents applied for or granted therefor in the United States and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said invention(s) or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself (ourselves) and my (our) legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said invention(s) and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said invention(s), whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention(s) in the United States, the expenses incident to said applications to be borne and paid by said assignee.				

LEGAL NAME OF SOLE OR FIRST INVENTOR Mattias NILSSON		INVENTOR'S SIGNATURE		DATE
RESIDENCE: CITY Södertälje	STATE		country Sweden	<u> </u>
MAILING ADDRESS Kringelvägen 4B, 151 33 Södertälje, Sweden				

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Attorney Docket Number

P/1228-564

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioner/applicant is advised that the record of a patent application is available to the public after publication form the documents before submitting them to the USPTO. Petitioner/applicant is advised that the application or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: Patent Application Files. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMM ERCE/PAT - TM-10, System name: Deposit Accounts and Electronic Funds Transfer Profiles.

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, II Marco TRINCAVELLI	PANY:	INVENTOR'S SIGNATURE WOZCO Jac	Mul	DATE 2019-07-03
residence: city Älvsjö	STATE	-	COUNTRY Sweden	
MAILING ADDRESS Älvsjövägen 14 1203, 125 45 Älvsjö, Sweden				
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, II Samuel MALINEN	FANY:	INVENTOR'S SIGNATURE		DATE
RESIDENCE: CITY Stockholm	STATE		Sweden	
MAILING ADDRESS Hildebergsvägen 12, 117 62 Stockholm,				
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, II Magnus GRANSTRÖM	8 ANY:	INVENTOR'S SIGNATURE		DATE
residence: city Hägersten	STATE		COUNTRY Sweden	
Mailing address Skridskovägen 9E, 129 49 Hägersten, Sv				
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF Julien BIDOT	ANY:	INVENTOR'S SIGNATURE		DATE
residence: ctty Södertälje	STATE		country Sweden	
MAILING ADDRESS Erikshällsgatan 73, 151 46 Södertälje, S	•			
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IS Marcello CIRILLO	ANY:	INVENTOR'S SIGNATURE		DATE
residence: CITY Hägersten	STATE	***************************************	country Sweden	
MAILING ADDRESS Aprilgatan 12B, 126 33 Hägersten, Sweden				
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF	ANY:	INVENTOR'S SIGNATURE	ini da aya da ini biga da aya da a	DATE
RESIDENCE: CITY	STATE		COUNTRY	Accessment to the training of the state of t
MAILING ADDRESS	<u> </u>	<u></u>		

Attorney Docket Number	P/1228-564
First Named Inventor	Mattias NILSSON
COMPLE	TE IF KNOWN
Application Number	·
Filing Date	

METHOD AND CONTROL UNIT FOR GROUND BEARING CAPACITY ANALYSIS

Title	of the	Invention)

As a below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application,

OR

United States application number or PCT International application number <u>PCT/SE2018/050031</u> filed on <u>15 January 2018</u>.

The above-identified application was made or authorized to be made by me.

I believe 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.

WHEREAS, <u>Scania CV AB</u>, having a place of business at <u>151 87 Södertälle</u>, <u>Sweden</u>, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I (we), as inventor(s) and as assignor(s), hereby sell, assign and set over to said assignee the entire right, title and interest for the United States in and to said aforesaid application for Patent and all my (our) invention(s) disclosed and claimed in said aforesaid application, all original, divisional, continuation, substitute, reissue or reexamination applications and patents applied for or granted therefor in the United States and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said invention(s) or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself (ourselves) and my (our) legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said invention(s) and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said invention(s), whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention(s) in the United States, the expenses incident to said applications to be borne and paid by said assignee.

LEGAL NAME OF SOLE OR FIRST INVENTOR Mattias NILSSON	INVENTOR'S SIGNATURE		DATE		
RESIDENCE: CITY Södertälje	STATE		country Sweden		
MAILING ADDRESS Kringelvägen 4B, 151 33 Södertälje, Sweden					

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Attorney Docket Number

P/1228-564

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LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY: Marco TRINCAVELLI		INVENTOR'S SIGNATURE		DATE		
residence: city Älvsjö	STATE	-	COUNTRY Sweden			
MAILING ADDRESS Älvsjövägen 14 1203, 125 45 Älvsjö, Sweden						
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, I Samuel MALINEN		INVENTOR'S SIGNATURE	W	2019-07-10		
RESIDENCE: CITY Stockholm	STATE	V	country Sweden			
MAILING ADDRESS Hildebergsvägen 12, 117 62 Stockholm, Sweden						
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, I Magnus GRANSTRÖM	F ANY:	INVENTOR'S SIGNATURE		DATE		
RESIDENCE: CITY Hägersten	STATE		COUNTRY Sweden			
MAILING ADDRESS Skridskovägen 9E, 129 49 Hägersten, Sweden						
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, II Julien BIDOT	FANY:	INVENTOR'S SIGNATURE		DATE		
RESIDENCE: CITY Södertälje	STATE	-	COUNTRY Sweden			
MAILING ADDRESS Erikshällsgatan 73, 151 46 Södertälje, Sweden						
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, II Marcello CIRILLO	ANY:	INVENTOR'S SIGNATURE		DATE		
RESIDENCE: CITY Hägersten	STATE		COUNTRY Sweden			
MAILING ADDRESS Aprilgatan 12B, 126 33 Hägersten, Sweden						
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF	`ANY:	INVENTOR'S SIGNATURE		DATE		
RESIDENCE: CITY	STATE		COUNTRY			
MAILING ADDRESS						

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	Attorney Docket Number	P/1228-564	
DECLARATION FOR UTILITY OR DESIGN	First Named Inventor	Mattias NILSSON	
PATENT APPLICATION (37 CFR 1.63) AND ASSIGNMENT	COMPLETE IF KNOWN		
ASSIGNMENT	Application Number		
	Filing Date		
METHOD AND CONTROL UNIT FOR (GROUND BEARING C.	APACITY ANALYSIS	
(Title of As a below named inventor, I hereby declare that: This declaration is directed to:	f the Invention)		
 ☐ The attached application, OR ☑ United States application number or PCT Internation 	onal application number PCT	VSE2018/050031	
filed on 15 January 2018.	· ·	7.500.00.00.00.00.00.00.00.00.00.00.00.00	
The above-identified application was made or authorized I believe I am the original inventor or an original joint in I hereby acknowledge that any willful false statement may	ventor of a claimed invention ade in this declaration is punished.	in the application. shable under 18 U.S.C. 1001 by	
fine or imprisonment of not more than five (5) years, or bo	in.		
WHEREAS, Scania CV AB, having a place of business			
acquiring all right, title and interest in and to said invention	and any Patent that may be g	granted therefor.	
NOW, THEREFORE, in consideration of One Dollar (\$ which is hereby acknowledged, I (we), as inventor(s) and a entire right, title and interest for the United States in and to invention(s) disclosed and claimed in said aforesaid applications and patents applied for or grant infringement, and the Commissioner of Patents and Tradensaid invention(s) or resulting therefrom to said assignee he undersigned for myself (ourselves) and my (our) legal representatives all facts known to the undersigned respective interferences or other legal proceedings in which any of sail lawful papers, make all rightful oaths, and to do generally and nominees to obtain patent protection for said invention applications to be borne and paid by said assignee.	s assignor(s), hereby sell, ass said aforesaid application for ation, all original, divisional, ed therefor in the United Stat narks is hereby authorized and rein, as assignee of the entire essentatives, heirs and assigns visional, continuation, reissue ee or its assigns, to communion ag said invention(s), wheneved d applications or patents may everything necessary to assist	ign and set over to said assignee the r Patent and all my (our) continuation, substitute, reissue or es and all rights for past d requested to issue all patents on interest therein; and the do hereby agree and covenant and other applications for Patent on cate to said assignee or its or requested, to testify in any become involved, to sign all assignee, its successors, assigns	

INVENTOR'S SIGNATURE

STATE

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Mattias NILSSON

RESIDENCE: CITY

Södertälje

MAILING ADDRESS

LEGAL NAME OF SOLE OR FIRST INVENTOR

Kringelvägen 4B, 151 33 Södertälje, Sweden

{02420989.1}

DATE

COUNTRY

Sweden

Attorney Docket Number

P/1228-564

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LEGAL NAME OF ADDITIONAL JOINT INVENTOR, Marco TRINCAVELLI	IF ANY:	INVENTOR'S SIGNATURE		DATE		
residence: city Älvsjö	STATE		Sweden			
MAILING ADDRESS Älvsjövägen 14 1203, 125 45 Älvsjö, Sweden						
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, Samuel MALINEN	IF ANY:	INVENTOR'S SIGNATURE		DATE		
residence: city Stockholm	STATE		Sweden			
MAILING ADDRESS Hildebergsvägen 12, 117 62 Stockholm, Sweden						
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, Magnus GRANSTRÖM	IF ANY:	INVENTOR'S SIGNATURE	indigen to the contract of the	2017 - 08-15		
residence: city Hägersten	STATE	1/ V	COUNTRY Sweden			
MAILING ADDRESS Skridskovägen 9E, 129 49 Hägersten, Sweden						
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, Julien BIDOT	IF ANY:	INVENTOR'S SIGNATURE		E019-08-15		
residence: city Södertälje	STATE		Sweden			
MAILING ADDRESS Erikshällsgatan 73, 151 46 Södertälje, Sweden						
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, Marcello CIRILLO	IF ANY;	INVENTOR'S SIGNATURE Hove Well		DATE 2019 - 08 - 15		
RESIDENCE: CITY Hägersten	STATE		Sweden			
MAILING ADDRESS Aprilgatan 12B, 126 33 Hägersten, Sweden						
LEGAL NAME OF ADDITIONAL JOINT INVENTOR, I	F ANY:	INVENTOR'S SIGNATURE		DATE		
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