PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5420017

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEBASTIAN RUEHL	01/23/2019
UDO WAGENBACH	01/28/2019
REINER SCHMIDT	01/24/2019
STEPHAN BECKER	01/23/2019
ALEXANDER SCHUCH	01/24/2019

RECEIVING PARTY DATA

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Street Address:	HAUPTSTRASSE 97
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State/Country:	GERMANY
Postal Code:	35435

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	16321232		

CORRESPONDENCE DATA

Fax Number: (859)252-0779

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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Correspondent Name: KING & SCHICKLI PLLC

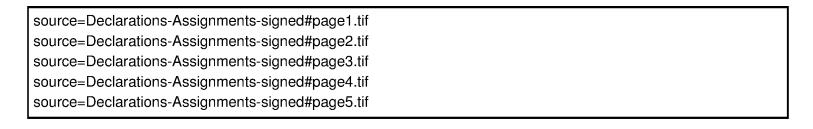
Address Line 1: 800 CORPORATE DRIVE, SUITE 200
Address Line 4: LEXINGTON, KENTUCKY 40503

ATTORNEY DOCKET NUMBER:	2002-099
NAME OF SUBMITTER:	ANDREW D. DORISIO
SIGNATURE:	/Andrew D. Dorisio/
DATE SIGNED:	03/13/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

PATENT REEL: 048588 FRAME: 0392

505373225



Title of invention: DEVICE AND METHOD FOR PRODUCING A TESTED WELD JOINT

This c	leclaration is directed to:	
	The attached application, and/or	
	United States application or PCT internati filed on July 18, 2017	onal application number <u>PCT/EP2017/060154</u>
be ma		t: (a) the above-identified application was made or authorized to inal inventor or an original joint inventor of a claimed invention
		(hereinafter referred to as "ASSIGNEE") having a place
is des		iterest in and to the invention of the above-identified application nted therefor in the United States, its territorial possessions, and
under the in foreig releva entire States	signed inventor does by these presents sell, vention of the above-identified application in countries (including the right to claim print International Treaties and Arrangements aright, title and interest in and to any and a	sideration, the receipt whereof is hereby acknowledged, the assign and transfer unto ASSIGNEE, the full and exclusive right to a the United States, its territorial possessions, and in any and all prity under the terms of the International Convention and other to the invention of the above-identified application), as well as the I Letters Patent(s) which may be granted therefor in the United II foreign countries, and in and to any and all divisions, reissues,
and al when ASSIG	ll foreign countries to issue any and all Lette granted, to ASSIGNEE as the owner of my er NEE, its successors and assigns, to the full er	fficials in the United States, its territorial possessions, and in any respectively. For the invention of the above-identified application, tire right, title and interest in and to the same, for the sole use of d of the term for which the Letters Patent(s) assigned hereunder ould have been held by me had this grant not been made.
the ab contin all Let oaths, protec	pove-identified application, and testify in an mustion, substitute, renewal and reissue appli sters Patent(s) for the invention of the above- and, generally do everything possible to aid A	presentatives any facts known to me respecting the invention of y legal proceeding, sign all lawful papers, execute all divisional, rations, execute all necessary assignment papers to cause any and identified application to be issued to ASSIGNEE, make all rightful SSIGNEE, its successors and assigns, to obtain and enforce proper application in the United States, its territorial possessions, and in
l authr	orize the law firm of King & Schickii, PLLC, to in	sert the serial number and filing date above once it is known.
	by acknowledge that any willful false statemen prisonment of not more than five (5) years, or b	made in this declaration is punishable under 18 U.S.C. 1001 by fine th.
Invent	or: Sebasilan Ruehl	Assignee: SCHUNK SONOSYSTEMS GMBH
Signat		Signature: C.V.
Date:	23.4.20.49	Date: <u>14,02,7048</u>
		Solvery Secosyotems CmbH (2000)
		Naturanis 03

nis declaration is directed to:	LED METD TOWL		
The attached application, and/or			
United States application or PCT international ap filed on July 18, 2017	United States application or PCT international application number FC I/IEP2017/068154 filed on July 18, 2017		
	the above-identified application was made or authorized to inventor or an original joint inventor of a claimed invention		
	(hereinafter referred to as "ASSIGNEE") having a place		
	t in and to the invention of the above-identified application therefor in the United States, its territorial possessions, and		
dersigned inventor does by these presents sell, assign a invention of the above-identified application in the U eign countries (including the right to claim priority us evant international Treaties and Arrangements to the in tire right, title and interest in and to any and all Lette	ation, the receipt whereof is hereby acknowledged, the and transfer unto ASSIGNEE, the full and exclusive right to United States, its territorial possessions, and in any and all under the terms of the International Convention and other invention of the above-identified application), as well as the ers Patent(s) which may be granted therefor in the United sign countries, and in and to any and all divisions, reissues,		
l all foreign countries to issue any and all Letters Pate en granted, to ASSIGNEE as the owner of my entire rig	s in the United States, its territorial possessions, and in any ent(s) for the invention of the above-identified application, ight, title and interest in and to the same, for the sole use of the term for which the Letters Patent(s) assigned hereunder have been held by me had this grant not been made.		
e above-identified application, and testify in any legal ntinuation, substitute, renewal and reissue applications Letters Patent(s) for the invention of the above-identif ths, and, generally do everything possible to aid ASSIGN	ntatives any facts known to me respecting the invention of all proceeding, sign all lawful papers, execute all divisional, is, execute all necessary assignment papers to cause any and lifted application to be issued to ASSIGNEE, make all rightful NEE, its successors and assigns, to obtain and enforce proper cation in the United States, its territorial possessions, and in		
y and all foreign countries.	e serial number and filing date above once it is known.		
and all foreign countries. A and all foreign countries. A schickli, PLLC, to insert the area acknowledge that any willful false statement made.	te serial number and filing date above once it is known.		
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wand all foreign countries. And all foreign countries. Anthorize the law firm of King & Schickli, PLLC, to insert the streby acknowledge that any willful false statement made imprisonment of not more than five (5) years, or both. But Wagerbach	Assignee: SCHUNK SONOSYSTEMS GMBH		
y and all foreign countries. Athorize the law firm of King & Schickli, PLLC, to insert the ereby acknowledge that any willful false statement made imprisonment of not more than five (5) years, or both. Bentor: Usio Wagenbach nature: 7 0 1 7 0 1 9	Assignee: SCHUNK SONOSYSTEMS GMBH Signature:		
y and all foreign countries. Athorize the law firm of King & Schickli, PLLC, to insert the ereby acknowledge that any willful false statement made imprisonment of not more than five (5) years, or both. Bentor: Usio Wagenbach nature: 7 0 1 7 0 1 9	Assignee: SCHUNK SONOSYSTEMS GMBH		
thorize the law firm of King & Schickli, PLLC, to insert the breby acknowledge that any willful false statement made imprisonment of not more than five (5) years, or both. Enter: Usio Wagaribach	Assignee: SCHUNK SONOSYSTEMS GMBH Signature:		
y and all foreign countries. athorize the law firm of King & Schickli, PLLC, to insert the ereby acknowledge that any willful false statement made imprisonment of not more than five (5) years, or both.	Assignee: SCHUNK SONOSYSTEMS GMBH Signature:		

Title of	Invention: OEVICE AND METHOD FOR PRODUCING A TESTED V	TRIOL GLEV	·	
This de	claration is directed to:			
	The attached application, and/or			
Ø	United States application or PCT international applifiled on July 18, 2017	cation numl	per PCT/EP2017/068154	
be mad	pelow named inventor, i hereby declare that: (a) the a e by me; and (b) I believe that I am the original inver pplication,			
	AS, SCHUNK SONGEYETEME GMBH (ESS AT Hauptstrassa 95, 36435 Welferberg (DE)	(hereinafte	r referred to as "ASSIGNEE") having a	a place
is desir	ness of acquiring the entire right, title and interest in and to any Letters Patent(s) that may be granted ther and all foreign countries.			
undersi the inve foreign relevan antire i States,	THEREFORE, for good and valuable consideration gned inventor does by these presents sell, assign and ention of the above-identified application in the Unit countries (including the right to claim priority under international Treaties and Arrangements to the inveight, title and interest in and to any and all Letters is territorial possessions, and in any and all foreign ations, substitutions and renewals thereof.	I transfer un ed States, its er the terms ention of the Patent(s) wi	to ASSIGNES, the full and exclusive r s territorial possessions, and in any of the International Convention and above-identified application), as well nich may be granted therefor in the	right to and all I other I as the United
and all when g ASSIGN	y authorize and request the Patent Office Officials in foreign countries to issue any and all Letters Patent(ranted, to ASSIGNEE as the owner of my entire right, EE, its successors and assigns, to the full end of the u granted, as fully and entirely as the same would have	s) for the in title and int erm for whic	vention of the above-identified appli erest in and to the same, for the sole th the Letiers Patent(s) assigned here	cation, use of
the abo continu all Lette oaths, a protect	t, I will communicate to ASSIGNEE or its representative-identified application, and testify in any legal pration, substitute, renewal and reissue applications, every Patent(s) for the invention of the above-identified and, generally do everything possible to aid ASSIGNEE, con for the invention of the above-identified applicational foreign countries.	oceeding, si recute all ne l application lts successo	gn all lawful papers, execute all divi cessary assignment papers to cause a to be issued to ASSIGNEE, make all r rs and assigns, to obtain and enforce	sional, ny and ightful proper
Lauthor	ize the law firm of King & Schickli, PLLC, to insert the se	rial number :	and filing date above once it is known.	
I hereby or impri	acknowledge that any willful false statement made in t sonment of not more than five (5) years, or both.	this declarati	on is punishable under 18 U.S.C. 1001	by fine
lnyento	Reiner Schmidt	Assignee:	SCHUNK SONOSYSTEMS GMBH	
Signatui	. 4104	Signature:	(.V.)	
Date:	24.04.14	Date:	14,02,2019	**********
			A	
			A CONTRACTOR OF THE STATE OF TH	
			t storytiges Ombit	
			Himpartig8, 98 35133 November - Met editor	118 11 14 12

Title of	Invention: Device and method for producing a tested y	VELO JOINT		
This dec	laration is directed to:			
	The attached application, and/or			
Ø	United States application or PCT international application number PCT/SP2017/988154 filed on July 18, 2017			
he made	elow named inventor, I hereby declare that: (a) the a by me; and (b) I believe that I am the original inver oplication.			
	AS, SCHUNK SONOSYSTEMS SMBH 3SS 21 Hauptistrasse 95, 354/35 Wettenberg (DE)	(hereinafter	referred to as "ASSIGNEE") havin	g a place
is desiro and in a	ous of acquiring the entire right, title and interest in and to any Letters Patent(s) that may be granted theroid all foreign countries.			
undersign the inve- foreign of relevant entire ri States, it	HEREFORE, for good and valuable consideration goed inventor does by these presents sell, assign and nation of the above-identified application in the Unit countries (including the right to claim priority under International Treaties and Arrangements to the inveght, title and interest in and to any and all Letters I as territorial possessions, and in any and all foreign tions, substitutions and renewals thereof.	I transfer un ed States, its er the terms ention of the Patent(s) wi	to ASSIGNEE, the full and exclusive territorial possessions, and in are of the International Convention a above-identified application), as we thick may be granted therefor in the	e right to y and all nd other ell as the te United
and all for when gr ASSIGNE	authorize and request the Patent Office Officials in preign countries to issue any and all Letters Patent(anted, to ASSIGNEE as the owner of my entire right, EE, its successors and assigns, to the full end of the togranted, as fully and entirely as the same would have	s) for the in title and int erm for whic	vention of the above-identified ap erest in and to the same, for the so h the Letters Patent(s) assigned h	plication, ble use of ereunder
the above continua- all Letter caths, an protection	I will communicate to ASSIGNEE or its representative-identified application, and testify in any legal protion, substitute, renewal and reissue applications, exist Patent(s) for the invention of the above-identified id, generally do everything possible to aid ASSIGNEE, on for the invention of the above-identified applicational foreign countries.	oceeding, sign ecute all nece application its successo	on all lawful papers, execute all d dessary assignment papers to caus- to be issued to ASSIGNEE, make a rs and assigns, to obtain and enforc	ivisional, e any and Il rightful ce proper
l authori	ze the law firm of King & Schickli, PLLC, to insert the se	rial number a	und filing date above once it is know	n.
	acknowledge that any willful false statement made in t connent of not more than five (5) years, or both.	his declarati	on is punishable under 18 U.S.C. 100	01 by fine
Inventor	Stephan Becker	Assignee:	SCHUNK SONOSYSTEMS GMBH	
Signature	: <u>5.3. Au</u>	Signature:	<u> </u>	
Date:	23.04.2019	Date:	<u> 14,02, 2018</u>	
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HIGE OF HIVEHHIOR: DEVICE AND METHOD PON PRODUCING A RESID	O MASTER SONA!	
fhis declaration is directed to:		
The attached application, and/or		
United States application or PCT international applied on July 15, 2017	plication numb	ar_ <u>PCT/EP2017/088154</u>
As the below named inventor, I hereby declare that: (a) the oe made by me; and (b) I believe that I am the original inv n the application.		
VHEREAS, SOHUNK SONOSYSTEMS SMBH	(hereinafter	referred to as "ASSIGNEE") having a place
of business at Haupstrasse 95, 38435 Wellarberg (DE) s desirous of acquiring the entire right, title and interest i and in and to any Letters Patent(s) that may be granted th an any and all foreign countries.		
NOW, THEREFORE, for good and valuable consideration and exigned inventor does by these presents sell, assign a he invention of the above-identified application in the Universign countries (including the right to claim priority unselevant International Treaties and Arrangements to the insentire right, title and interest in and to any and all Letter states, its territorial possessions, and in any and all foreign continuations, substitutions and renewals thereof.	nd transfer un nited States, its ider the terms ivention of the is Patent(s) wh	to ASSIGNEE, the full and exclusive right to territorial possessions, and in any and all of the international Convention and other above-identified application), as well as the lich may be granted therefor in the United
hereby authorize and request the Patent Office Officials (and all foreign countries to issue any and all Letters Pater when granted, to ASSIGNEE as the owner of my entire right ASSIGNEE, its successors and assigns, to the full end of the may be granted, as fully and entirely as the same would ha	nt(s) for the in ht, title and int eterm for whic	vention of the above-identified application, erest in and to the same, for the sole use of h the Letters Patent(s) assigned hereunder
further, I will communicate to ASSIGNEE or its represent the above-identified application, and testify in any legal portinuation, substitute, renewal and reissue applications, il Letters Patent(s) for the invention of the above-identifiaths, and, generally do everything possible to aid ASSIGNE rotection for the invention of the above-identified applicant and all foreign countries.	proceeding, sig execute all nec ed application IE, its successo	gn all lawful papers, execute all divisional, dessary assignment papers to cause any and to be issued to ASSIGNEE, make all rightful rs and assigns, to obtain and enforce proper
authorize the law firm of King & Schickli, PLLC, to insert the	serial number a	nd filing date above once it is known.
hereby acknowledge that any willful false statement made is rimprisonment of not more than five (3) years, or both.	n this declarati	on is punishable under 18 U.S.C. 1001 by fine
nyentor: Alaxander Schuch	Assigneer	SCHUNK SONOSYSTEMS CMBH
ignature:	Signature:	C. V. Ac
Date: <u>24.64.2619</u>	Date:	14,02.7019
		Schoolsk De regelemo Gmisti
		Name : Table : Mark

RECORDED: 03/13/2019