

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5773705

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Daniel Gruner	03/07/2019
Armin Bannwarth	07/06/2019
Christian Bock	05/29/2019
Christoph Hofstetter	06/05/2019
Alberto Pena Vidal	03/10/2019
Markus Winterhalter	08/06/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TRUMPF HUETTINGER GMBH + CO. KG
<b>Street Address:</b>	BOETZINGER STRASSE 80
<b>City:</b>	FREIBURG
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	D-79111
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15858312
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<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>	+1 (512) 226-8143
<b>Email:</b>	apsi@fr.com
<b>Correspondent Name:</b>	PARVIN GHANE
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
<b>Address Line 2:</b>	P.O.BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	15540-0567001
<b>NAME OF SUBMITTER:</b>	CHERYL A. FORREST
<b>SIGNATURE:</b>	/Cheryl A. Forrest/
<b>DATE SIGNED:</b>	10/17/2019

**Total Attachments: 10**

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, ANDRE GREDE, DANIEL GRUNER, ARMIN BANNWARTH, CHRISTIAN BOCK, CHRISTOPH HOFSTETTER, ALBERTO PENA VIDAL, NIKOLAI SCHWERG, MANUEL VOR DEM BROCKE, and MARKUS WINTERHALTER, each individually assign to TRUMPF HUETTINGER GMBH + CO. KG, a corporation formed under the laws of Germany and having a principal place of business at Boetzing Strasse 80, D-79111 Freiburg, Germany, and its successors, transferees, and assignees (collectively the “Assignee”), all of our individual and joint right, title, and interest throughout the world in the subject matter (the “Subject Matter”) of a patent application that names us as inventors, is titled “GENERATING A PLURALITY OF CLOCK SIGNALS OR HIGH-FREQUENCY SIGNALS,” and was filed in the United States Patent and Trademark Office on December 29, 2017, as application 15/858,312 (the “Application”).

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors’ certificates for, any of the Subject Matter (collectively the “Applications and Granted Rights”) in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee’s name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee’s name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

\_\_\_\_\_  
Andre Grede

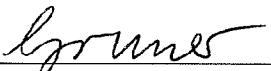
Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

  
Daniel Gruner

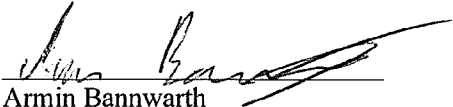
Date: 07.03.2019

Witnessed by:

Signature: 

Date: 07.03.2019

Print Name: Jana Konczyk

  
Armin Bannwarth

Date: 06-07-2019

Witnessed by:

Signature: A. Mititi

Date: July 6, 2019

Print Name: Andrea Mititi

Christian Bock  
Christian Bock

Date: May 29 2019

Witnessed by:

Signature: A. Mititi

Date: May 29, 2019

Print Name: Andrea Mititi

C. Hofstetter  
Christoph Hofstetter

Date: June 5, 2019


Witnessed by:

Signature: A. Mifiti

Date: June 5, 2019

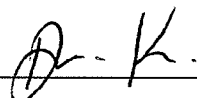
Print Name: Andrea Mifiti



  
\_\_\_\_\_  
Alberto Pena Vidal

Date: 10.03.2019

Witnessed by:

Signature: 

Date: 10.03.2019

Print Name: DENIZ KOSE PEÑA VIDAL

\_\_\_\_\_  
Nikolai Schwerg

Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
Manuel vor dem Brocke

Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Markus Winterhalter  
Markus Winterhalter

Date: 06.08.2019

Witnessed by:

Signature: A. Mititi

Date: 6 August 2019

Print Name: Andrea Mititi

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: TRUMPF HUETTINGER GMBH + CO. KG

Signature: T. Kueppers

Date: 10/17/2019

Name: Till Kueppers

Title: CEO

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