

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4746900

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NIELS MARKER-VILLUMSEN	09/21/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TDK CORPORATION
<b>Street Address:</b>	3-9-1, SHIBAURA
<b>Internal Address:</b>	MINATO-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	108-0023
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15554970
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)977-4405
<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>	3129774400
<b>Email:</b>	smonreal@nixonpeabody.com
<b>Correspondent Name:</b>	NIXON PEABODY LLP
<b>Address Line 1:</b>	70 W. MADISON ST.
<b>Address Line 2:</b>	SUITE 3500
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60602
<b>ATTORNEY DOCKET NUMBER:</b>	037343-000267USPX
<b>NAME OF SUBMITTER:</b>	JUSTIN D. SWINDELLS
<b>SIGNATURE:</b>	/Justin D. Swindells - Reg. No. 48,733/
<b>DATE SIGNED:</b>	12/21/2017
<b>Total Attachments: 2</b>	
source=037343-000267USPX Assignment#page1.tif	
source=037343-000267USPX Assignment#page2.tif	

Customer No. 70001

**ASSIGNMENT**  
**Docket No. 037343-000267USPX**  
**Our Ref.: P2015,0342 US E**

**ASSIGNMENT**

**WHEREAS, I, NIELS MARKER-VILLUMSEN, have invented certain new and useful improvements in the following: "SIGMA-DELTA MODULATOR ARRANGEMENT, METHOD AND CONTROL APPARATUS FOR CALIBRATING A CONTINUOUS-TIME SIGMA-DELTA MODULATOR", for which I have made application for United States Letters Patent; the said application filed on August 31, 2017, as Application Serial No. 15/554,970 and**

**WHEREAS, TDK CORPORATION, a corporation organized and existing under the laws of the Country of Japan, having its principal place of business at 3-9-1, Shibaura Minato-ku, Tokyo, 108-0023, Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;**

**NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives the entire right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefore, and all provisionals, divisions, reissues, substitutions, continuations, continuation-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said ASSIGNEE of my entire right, title and interest.**

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Customer No. 70001

**ASSIGNMENT**  
**Docket No. 037343-000267USPX**  
**Our Ref.: P2015,0342 US E**

Executed this 21 day of September, 2017.



Name: Niels Marker-Villum