

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
IGOR LUKYANCHUK	02/14/2022
ANNA RAZUMNAYA	02/14/2022
VALERY VINOKOUR	02/14/2022
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<b>Name:</b>	TERRA QUANTUM AG
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<b>Postal Code:</b>	9400
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17685996
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<b>ATTORNEY DOCKET NUMBER:</b>	759536
<b>NAME OF SUBMITTER:</b>	ANITA GARCIA
<b>SIGNATURE:</b>	/Anita Garcia/
<b>DATE SIGNED:</b>	03/03/2022
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

**WHEREAS, I/We**

- (1) Igor Lukyanchuk of c/o Terra Quantum AG, St. Gallerstrasse 16A, 9400 Rorschach, Switzerland, and
- (2) Anna Razumnaya of c/o Terra Quantum AG, St. Gallerstrasse 16A, 9400 Rorschach, Switzerland, and
- (3) Valery Vinokour of c/o Terra Quantum AG, St. Gallerstrasse 16A, 9400 Rorschach, Switzerland,

hereinafter referred to as Assignor, have co-invented a certain invention entitled:

**TERAHERTZ FERROELECTRIC RESONATOR**

for which invention European Patent Application No. 21160551.4 was filed on March 3, 2021, and

**WHEREAS**, Terra Quantum AG of St. Gallerstrasse 16A, 9400 Rorschach, Switzerland, hereinafter referred to as Assignee, is desirous of acquiring the entire U.S. right, title, and interest of Assignor in, to, and under the invention and the referenced European Patent Application, including the entire right, title, and interest of Assignor in, to, and under the U.S. application thereof, filed on March 3, 2022 as U.S. Patent Application No. 17/685,996,

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor assigns and transfers to Assignee the entire U.S. right, title, and interest of Assignor in, to, and under the invention, the referenced International Patent Application and U.S. national phase thereof, and other such U.S. patent applications (e.g., continuations, continuations-in-part, divisionals, reissues, and reexaminations) that may be filed in the U.S. with a claim of priority to the referenced International Patent Application and/or the U.S. national phase application thereof, as well as U.S. patents that may issue thereon and that may be modified as the result of applicable procedures (e.g., supplemental examinations, ex parte reexaminations, inter partes reexaminations, inter partes reviews, and post-grant reviews),

Assignor conveys to the Assignee the right to make applications in Assignee's own behalf for protection of the invention in the U.S. and to claim priority in the U.S. to the aforementioned patent applications and any priority documents referenced therein under the Patent Cooperation Treaty, the Paris Convention, and any other international arrangements,

Assignor will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the U.S. patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. on the invention, and in enforcing any rights accruing as a result of such U.S. applications or patents, by, for example, executing statements and other affidavits,

Assignor and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,

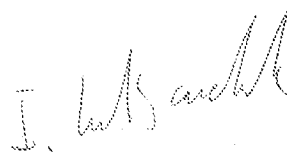
Assignor authorizes Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment.

**IN WITNESS WHEREOF**, Assignor has hereunder set his/her hand on the date shown below.

In re Appln. of Lukyanchuk et al.  
Attorney Docket No. 759536



Date 14.02.2022

\_\_\_\_\_  
Assignor: Igor Lukyanchuk

Date \_\_\_\_\_

\_\_\_\_\_  
Witness:

Date \_\_\_\_\_

\_\_\_\_\_  
Witness:

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In re Appln. of Lukyanchuk et al.  
Attorney Docket No. 759536

Date 14.02.2022

*AP*

Assignor: Anna Razumnaya

Date \_\_\_\_\_

Witness: \_\_\_\_\_

Date \_\_\_\_\_

Witness: \_\_\_\_\_

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In re Appln. of Lukyanchuk et al.  
Attorney Docket No. 759536

Date 14.02.2022

  
\_\_\_\_\_  
Assignor: Valery Vinokour

Date \_\_\_\_\_

\_\_\_\_\_  
Witness:

Date \_\_\_\_\_

\_\_\_\_\_  
Witness:

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