

**PCT REQUEST**

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<b>0</b>	<b>For receiving Office use only</b>	
<b>0-1</b>	International Application No.	PCT/US25/52944
<b>0-2</b>	International Filing Date	28 October 2025 (28.10.2025)
<b>0-3</b>	Name of receiving Office and "PCT International Application"	RO/US PCT INTERNATIONAL APPLICATION
<b>0-4</b>	<b>Form PCT/RO/101 PCT Request</b>	
0-4-1	Prepared Using	ePCT-Filing for data package download Version 4.15.022 MT/FOP 20251014/2.8
<b>0-5</b>	<b>Petition</b>	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
<b>0-6</b>	<b>Receiving Office (specified by the applicant)</b>	<b>United States Patent and Trademark Office (USPTO) (RO/US)</b>
<b>0-7</b>	<b>Applicant's or agent's file reference</b>	<b>ClosedLoopBioprocessRO</b>
<b>I</b>	<b>Title of Invention</b>	<b>HIERARCHICAL CLOSED-LOOP MICRO-DOSING SKID WITH MULTI-AXIS GEAR-PUMP MANIFOLD AND OPTIONAL DISPOSABLE CARTRIDGES</b>
<b>II</b>	<b>Applicant</b>	
II-1	This person is	<b>Applicant and inventor</b>
II-2	Applicant for	<b>All designated States</b>
II-4	Name (LAST, First)	<b>RAPHAEL, Oren</b>
II-5	Address	<b>4355 Sepulveda Blvd Apt 105 Sherman oaks, California 91403 United States of America</b>
II-6	State of nationality	<b>US</b>
II-7	State of residence	<b>US</b>
II-8	Telephone No.	<b>6286008825</b>
II-10	e-mail	<b>oren17@gmail.com</b>
II-10(a)	E-mail authorization The receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority are authorized to use this e-mail address, if the Office or Authority so wishes, to send notifications issued in respect of this international application:	<b>Email (with PDF attachment)</b>
<b>V</b>	<b>DESIGNATIONS</b>	
<b>V-1</b>	<b>The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.</b>	
<b>VI-1</b>	<b>Priority Claim</b>	<b>NONE</b>
<b>VII-1</b>	<b>International Searching Authority Chosen</b>	<b>United States Patent and Trademark Office (USPTO) (ISA/US)</b>

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<b>VIII</b>	<b>Declarations</b>	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
<b>IX</b>	<b>Check list</b>	Number of sheets	Electronic file(s) attached
IX-1	Request (including declaration sheets)	<b>3</b>	✓
IX-2	Description ^5	^^ [----4--]	✓
IX-3	Claims ^3	^^ [----2-]	✓
IX-4	Abstract	<b>1</b>	✓
IX-5	Drawings ^7	^^ [----6--]	✓
IX-6a	Sequence listing part of the description	-	-
IX-7	TOTAL ^19	^^ [---10-]	
	<b>Accompanying Items</b>	Paper document(s) attached	Electronic file(s) attached
IX-8	Fee calculation sheet	-	✓
<b>IX-20</b>	<b>Figure of the drawings which should accompany the abstract</b>	<b>0</b>	
<b>IX-21</b>	<b>Language of filing of the international application</b>	<b>English</b>	
<b>X-1</b>	<b>Signature of applicant, agent or common representative</b>	<b>/Oren RAPHAEL/</b>	
<b>X-1-1</b>	Name (LAST, First)	<b>RAPHAEL, Oren</b>	
<b>X-1-3</b>	Capacity (if such capacity is not obvious from reading the request)		

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<b>10-1</b>	<b>Date of actual receipt of the purported international application</b>	<b>28 October 2025 (28.10.2025)</b>
<b>10-2</b>	<b>Drawings:</b>	
10-2-1	Received	
10-2-2	Not received	
<b>10-3</b>	<b>Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application</b>	
<b>10-4</b>	<b>Date of timely receipt of the required corrections under PCT Article 11(2)</b>	
<b>10-5</b>	<b>International Searching Authority</b>	<b>ISA/US</b>
<b>10-6</b>	<b>Transmittal of search copy delayed until search fee is paid</b>	

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<b>11-1</b>	<b>Date of receipt of the record copy by the International Bureau</b>	
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