

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

To:
OREN RAPHAEL
4355 SEPULVEDA BLVD
APT 105
SHERMAN OAKS, CALIFORNIA 91403
UNITED STATES OF AMERICA

CONFIRMATION NO. 5080

PCT

NOTIFICATION OF THE INTERNATIONAL
 APPLICATION NUMBER AND OF
 THE INTERNATIONAL FILING DATE

(PCT Rule 20.2(c))

Date of mailing <i>(day/month/year)</i>	28 November 2025 (28.11.2025)
--	--------------------------------------

Applicant's or agent's file reference
CLOSEDLOOPBIOPROCESSRO

IMPORTANT NOTIFICATION

International application No.
PCT/US2025/052944

International filing date
(day/month/year) **28 October 2025**
(28.10.2025)

Priority date
(day/month/year)

Applicant
RAPHAEL, OREN

Title of the invention
**HIERARCHICAL CLOSED-LOOP MICRO-DOSING SKID WITH
 MULTI-AXIS GEAR-PUMP MANIFOLD AND OPTIONAL DISPOSABLE
 CARTRIDGES**

1. The applicant is hereby notified that the international application has been accorded the international application number and the international filing date indicated above.

2. The applicant is further notified that the record copy of the international application:

was transmitted to the International Bureau on 28 November 2025 (28.11.2025)

has not yet been transmitted to the International Bureau for the reason indicated below and a copy of this notification has been sent to the International Bureau*:

because the necessary national security clearance has not yet been obtained.

because *(reason to be specified)*:

* The International Bureau monitors the transmittal of the record copy by the receiving Office and will notify the applicant (with Form PCT/IB/301) of its receipt. Should the record copy not have been received by the expiration of 14 months from the priority date, the International Bureau will notify the applicant (Rule 22.1(c)).

3. FOREIGN TRANSMITTAL LICENSE INFORMATION Completed by: H.D.J.

- Additional license for foreign transmittal not required. This subject matter is covered by a license already granted or the equivalent U.S. national application. Refer to that license for information concerning its scope.
- License for foreign transmittal not required. 37 CFR. 5.11(e)(1) or 37 CFR 5.11(e)(2). However, a license may be required for additional subject matter. See 37 CFR 5.15(b).
- Foreign transmittal license granted. 35 U.S.C. 184; 37 CFR 5.11 on 25 November 2025 (25.11.2025)
(date)
- 37 CFR 5.15(a) 37 CFR 5.15(b)

Name and mailing address of the receiving Office

COMMISSIONER FOR PATENTS
MAIL STOP PCT
P.O. Box 1450
Alexandria, VA 22313-1450
UNITED STATES OF AMERICA

Facsimile No. **571-273-8300**

Authorized officer

HENRY D JEFFERSON

Telephone No. **(571)272-7194**