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| APPLICATION<br>NUMBER | FILING or<br>371(c) DATE | GRP ART<br>UNIT | FIL FEE REC'D | ATTY. DOCKET NO | TOT CLAIMS | IND CLAIMS |
|-----------------------|--------------------------|-----------------|---------------|-----------------|------------|------------|
| 19/351,422            | 10/07/2025               |                 | 730           | PJK4688194      | 8          | 1          |

189406  
Bridgeway IP Law Group, PLLC  
11350 Random Hills Rd, Suite 800  
Fairfax, VA 22030

CONFIRMATION NO. 5318

FILING RECEIPT



0000000096484824

Date Mailed: 10/28/2025

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

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## Inventor(s)

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## Applicant(s)

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**Power of Attorney:** The patent practitioners associated with Customer Number 189406

## Domestic Applications for which benefit is claimed - None.

*A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.*

**Foreign Applications for which priority is claimed** (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.)  
REPUBLIC OF KOREA 10-2024-0140032 10/15/2024 Access Code Provided

**Permission to Access Application via Priority Document Exchange:** Yes

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Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

**Request to Retrieve** - This application either claims priority to one or more applications filed in an intellectual property Office that participates in the Priority Document Exchange (PDX) program or contains a proper **Request to Retrieve Electronic Priority Application(s)** (PTO/SB/38 or its equivalent). Consequently, the USPTO will attempt to electronically retrieve these priority documents.

**If Required, Foreign Filing License Granted:** 10/24/2025

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 19/351,422**

**Projected Publication Date:** 04/16/2026

**Non-Publication Request:** No

**Early Publication Request:** No

**\*\* SMALL ENTITY \*\***

**Title**

SILICON MACH-ZEHNDER MODULATOR-BASED PHOTONIC RF MIXER

**Preliminary Class**

**Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications:** No

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