

# Cyngn Granted 19th U.S. Patent for its AI-Powered Autonomous Vehicle Technologies

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*Cyngn has been granted 16 patents in 2023, bringing the total US patents granted to 19*

MENLO PARK, Calif., Jan. 29, 2024 /PRNewswire/ -- [Cyngn Inc.](#) (the "Company" or "Cyngn") (Nasdaq: CYN), a developer of AI-powered autonomous driving solutions for industrial applications, today announced the issuance of a new patent, US-11,851,074-B2, for the Company's autonomous vehicle (AV) and driving solutions. This new patent of System and Methods of Large-Scale Autonomous Driving Validation provides expanded safety features in identifying problems arising from AV driving operations and generating a notification message regarding the problem.



"I am pleased with the remarkable progress and pace of innovation our technology team has achieved as this latest patent expands our total number of U.S. patents to 19," said Cyngn's Chairman and Chief Executive Officer, Lior Tal. "Prior to 2023, we were granted 3 U.S. patents. During the first half of 2023, 7 U.S. patents were granted with the second half of last year securing 9 additional patents. Currently we have an additional 6 U.S. patents and 20 international patents submitted which we anticipate to be granted in the coming years."

Cyngn aims to provide its customers with advanced automation via its DriveMod autonomous vehicle solutions that leverage state-of-the-art sensors and AI to produce humanlike driving capabilities across multiple vehicle types without requiring site infrastructure overhauls.

This additional patent comes on the heels of the Company's [announcement](#) of the procurement of patent 18, which protects Cyngn's novel adaptive traffic rule-based decision making for autonomous driving.

Cyngn's patent family is comprised of the following granted patents:

Patent Number	Title	Publication Date
US-11,851,074-B2	SYSTEM AND METHODS OF LARGE-SCALE AUTONOMOUS DRIVING VALIDATION	12/26/2023
US-11,837,090-B2	SYSTEM AND METHODS OF ADAPTIVE TRAFFIC RULE-BASED DECISION MAKING FOR AUTONOMOUS DRIVING	12/5/2023
US-11,837,089-B2	MODULAR EXTENSIBLE BEHAVIORAL DECISION SYSTEM FOR	12/5/2023

## AUTONOMOUS DRIVING

US-11,767,034-B2	SYSTEM AND METHOD OF COMPUTATION ACCELERATION FOR AUTONOMOUS DRIVING SYSTEMS	9/26/2023
US-11,760,368-B2	SYSTEM AND METHOD OF SAME-LOOP ADAPTIVE SIMULATION FOR AUTONOMOUS DRIVING	9/19/2023
US-11,747,454-B2	GRANULARITY-FLEXIBLE EXISTENCE-BASED OBJECT DETECTION	9/5/2023
US-11,745,762-B2	SYSTEM AND METHODS OF ADAPTIVE TRAJECTORY PREDICTION FOR AUTONOMOUS DRIVING	9/5/2023
US-11,745,747-B2	SYSTEM AND METHOD OF ADAPTIVE DISTRIBUTION OF AUTONOMOUS DRIVING COMPUTATIONS	9/5/2023
US-11,745,750-B2	SYSTEM AND METHOD OF LARGE-SCALE AUTOMATIC GRADING IN AUTONOMOUS DRIVING USING A DOMAIN-SPECIFIC LANGUAGE	9/5/2023
US-11,679,726-B2	VEHICLE SENSOR SYSTEMS	6/20/2023
US-11,673,577-B2	SYSTEM AND METHODS OF ADAPTIVE RELEVANCY PREDICTION FOR AUTONOMOUS DRIVING	6/13/2023
US-11,668,833-B2	OBSTACLE DETECTION SYSTEMS	6/6/2023
US-11,651,583-B2	MULTI-CHANNEL OBJECT MATCHING	5/16/2023
US-11,614,527-B2	SELF-ADAPTIVE LIDAR-CAMERA SYNCHRONIZATION SYSTEM	3/28/2023
US-11,592,565-B2	FLEXIBLE MULTI-CHANNEL FUSION PERCEPTION	2/28/2023
US-11,555,928-B2	THREE-DIMENSIONAL OBJECT DETECTION WITH GROUND REMOVAL INTELLIGENCE	1/17/2023

US-11,372,115-B2 VEHICLE LOCALIZATION

6/28/2022

US-11,186,234-B2 VEHICLE SENSOR SYSTEMS

11/30/2021

US-11,169,271-B2 OBSTACLE DETECTION SYSTEMS

11/9/2021

For a comprehensive view of Cyngn's patents focused on modularity and flexibility of autonomous vehicle systems with multiple sensor modalities and configurations, please visit the [USPTO](#).

### **About Cyngn**

Cyngn develops and deploys scalable, differentiated autonomous vehicle technology for industrial organizations. Cyngn's self-driving solutions allow existing workforces to increase productivity and efficiency. The Company addresses significant challenges facing industrial organizations today, such as labor shortages, costly safety incidents, and increased consumer demand for eCommerce.

Cyngn's DriveMod Kit can be installed on new industrial vehicles at end of line or via retrofit, empowering customers to seamlessly adopt self-driving technology into their operations without high upfront costs or the need to completely replace existing vehicle investments.

Cyngn's flagship product, its Enterprise Autonomy Suite, includes DriveMod (autonomous vehicle system), Cyngn Insight (customer-facing suite of AV fleet management, teleoperation, and analytics tools), and Cyngn Evolve (internal toolkit that enables Cyngn to leverage data from the field for artificial intelligence, simulation, and modeling).

### **Find Cyngn on:**

- Website: <https://cyngn.com>
- Twitter: <http://twitter.com/cyngn>
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### **Forward-Looking Statements**

*This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Any statement that is not historical in nature is a forward-looking statement and may be identified by the use of words and phrases such as "expects," "anticipates," "believes," "will," "will likely result," "will continue," "plans to," "potential," "promising," and similar expressions. These statements are based on management's current expectations and beliefs and are subject to a number of risks, uncertainties and assumptions that could cause actual results to differ materially from those described in the forward-looking statements, including the risk factors described from time to time in the Company's reports to the SEC, including, without limitation the risk factors discussed in the Company's annual report on Form 10-K filed with the SEC on March 17, 2023. Readers are cautioned that it is not possible to predict or identify all the risks, uncertainties and other factors that may affect future results. No forward-looking statement can be guaranteed, and actual results may differ materially from those projected. Cyngn undertakes no obligation to publicly update any forward-looking statement, whether as a result of new information, future events, or otherwise.*

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