Faraday Future Secures U.S. Patent for Hybrid Extended Range Transmission System for Future Usage in Its Vehicle Lineup That Will Enable Robust Range Extension and Reduce Mechanical Complexity

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- The granted patent covers a range-extending hybrid transmission system that decouples the engine, generator-motor, and drive wheels through a multi-clutch and multi-shaft architecture, allowing all power sources to contribute concurrently or independently — expanding vehicle range performance while reducing mechanical complexity.
- The newly patented transmission architecture is expected to be incorporated into the broader AIHER system under development for future generations of FX models, helping overcome the weaknesses of conventional hybrid and plug-in hybrid systems and making it particularly suited to cold-weather regions.

LOS ANGELES--(BUSINESS WIRE)--Jun. 25, 2026-- Faraday Future Intelligent Electric Inc. (NASDAQ: FFAI) ("Faraday Future", "FF" or the "Company"), a California-based global Embodied AI (EAI) ecosystem company, today announced that the U.S. Patent and Trademark Office has granted U.S. Patent No. 12,630,004, titled "Range-Extending Hybrid Transmission System," to its subsidiary Future AIHER AI Hybrid Extended-Range Electric Powertrain System Inc. ("Future AIHER"). The patent, issued in May 2026 from an application filed last June, contains 13 claims, marking a key milestone in the Company's effort to establish a leadership position in hybrid electric powertrain innovation. The present disclosure relates to a range-extending hybrid transmission system for a vehicle, and more particularly, to a hybrid transmission system configured to decouple the engine, generator-motor, and drive wheels to provide multiple drive modes.

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Faraday Future Secures U.S. Patent for Hybrid Extended Range Transmission System for Future Usage in Its Vehicle Lineup that will Enable Robust Range Extension and Reduce Mechanical Complexity (FX Super One Shown in Image)

Existing plug-in hybrid systems still suffer from flow power output response, insufficient performance, poor driving control, and high overall vehicle costs. Additionally, the complex mechanical structures in conventional systems can negatively impact vehicle handling, reliability, and overall driving experience. The present FF patent disclosure addresses these challenges by providing a simplified hybrid transmission system that decouples the engine, generator-motor, and drive wheels, allowing all power sources to participate in the drive at the same time. This approach enables strong range extension with weak hybridization, improving power efficiency and performance while reducing the overall complexity of the powertrain.

The granted patent (U.S. Patent No. 12,630,004) covers a range-extending hybrid transmission system that includes a first rotary power source, a generator-motor, a differential, and driving wheels. The system includes a first shaft extending from the rotary power source and a first clutch disposed on the first shaft. A second clutch is spaced apart from the first clutch. A generator-motor is connected to the first shaft or to a second shaft that is mechanically connected to the first shaft and/or the second clutch. A third shaft connected to the differential is mechanically linked to the first shaft and/or the second clutch. This configuration enables the decoupling of the engine, generator-motor, and drive wheels, allowing all power sources to contribute concurrently or independently.

Launched in March 2025, Future AIHER is the world's first AI hybrid extended-range electric powertrain system company. It is dedicated to the design, development and commercialization of cutting-edge AI-driven range extender systems for Extended Range Electric Vehicles (EREVs), including two potential flagship products: a super AI hybrid extended-range system (AIHER) and a super AI extended-range system. These systems would seek to blend the strengths of traditional hybrid and range-extended architectures, with a primary focus on range extension and a supporting hybrid drive—and could redefine performance, energy optimization, and system integration.

"This patent grant is central to FF's vision of intelligent mobility," said YT Jia, Founder and CEO of Faraday Future. "Extended range hybrid technologies represent a pivotal extension of our mission—bringing high-performance, AI-enhanced powertrains to our FF and future FX series models, while offering critical customer features like longer driving range and reduced mechanical complexity."

As the world's first AI-driven extended-range plus hybrid fusion technology featuring a "strong extended-range, light hybrid" architecture, AIHER is expected to overcome the weaknesses of conventional hybrid and plug-in hybrid systems. It is particularly well-suited to extreme-cold winter regions such as the U.S. East Coast, demonstrating outstanding adaptability and energy efficiency.

Accordingly, the Company's goal is for the first batch of mass-production Super One deliveries to be either the 800V BEV or the AIHER model, in order to create greater value for users. Subject to securing financing from strategic or medium-to-long-term investors and sufficient to support mass-production deliveries, the Company will fully launch Super One mass-production deliveries.

The updated delivery timeline is as follows: once the necessary funding is in place, the Super One 800V BEV is expected to achieve its first phase of delivery within 6 to 9 months, second phase of delivery within 12 to 15 months, and third phase of delivery within 21 to 24 months; the AIHER hybrid

model is expected to achieve its first phase of delivery within 9 to 12 months, second phase of delivery within 21 to 24 months, and third phase of delivery within 24 to 28 months.

ABOUT FARADAY FUTURE

Founded in 2014, Faraday Future (FF) is a U.S.-based Physical AI ecosystem company dedicated to reshaping the future of robotics and mobility solutions through AI innovation and technologies. FF focuses on two major product strategies within the Embodied AI (EAI) robotics business: EAI humanoid and bionic robots, and EAI automotive-focused robots. By building a Three-in-One ecosystem of “Device, Data, EAI Brain & Open-Source and Open Platform,” FF aims to create an evolutionary flywheel: scaled device delivery, data collection and training, continuous evolution of the EAI Brain, stronger product capability, and even larger-scale delivery and deployment. Through this flywheel, FF seeks to maximize its commercial value and lead to the advancement of Physical AI. For more information, please visit Faraday Future’s official website: https://www.ff.com/

FORWARD LOOKING STATEMENTS

This press release includes “forward looking statements” within the meaning of the safe harbor provisions of the United States Private Securities Litigation Reform Act of 1995. When used in this press release, the words “plan to,” “can,” “will,” “should,” “future,” “potential,” and variations of these words or similar expressions (or the negative versions of such words or expressions) are intended to identify forward-looking statements. These forward-looking statements, which include statements regarding the development and commercialization of EREVs and AIHER systems, and integrating existing third-party range extender technology into the Faraday X concept vehicles, involve a number of known and unknown risks, uncertainties, assumptions and other important factors, many of which are outside the Company’s control, which could cause actual results or outcomes to differ materially from those discussed in the forward-looking statements.

Important factors, that may affect actual results or outcomes include, among others: the Company’s ability to secure the necessary funding to execute on its AI, EREV and Faraday X (FX) strategies, each of which will be substantial; the Company’s ability to design and develop EREV and AIHER technologies; the Company’s ability to design and develop AI-based solutions; competition in the AI, EREV and AIHER areas, where actual or potential competitors have or are likely to have substantial advantages relative to the Company, including but not limited to experience, expertise, funding, infrastructure and personnel; the ability of the Company to execute across multiple concurrent strategies, including the UAE, bridge strategy, or FX, EREV, AIHER, AI, and US geographic expansion; the Company's ability to secure necessary agreements to license third-party range extender technology and/or license or produce FX vehicles in the U.S., the Middle East, or elsewhere, none of which have been secured; the Company's ability to homologate FX vehicles for sale in the U.S., the Middle East, or elsewhere, the Company’s ability to timely regain compliance with Nasdaq’s minimum bid requirement; the Company’s common stock will be suspended from trading on Nasdaq if its closing price is $0.10 or less for 10 consecutive trading days; the Company’s ability to continue as a going concern and improve its liquidity and financial position; the Company’s ability to pay its outstanding obligations, which it currently lacks; the availability of sufficient share capital to meet its current obligations and execute on its strategy, which the Company currently lacks; the agreement of stockholders to substantially increase the Company’s share capital, which could result in substantial additional dilution; the willingness of convertible debt investors to fund the Company while it lacks sufficient share capital for conversions; demand for the Company’s robotics products; the ability of B2B preorder companies to locate customers to purchase our robotics products, on which their nonbinding preorders substantially depend; competition in the robotics industry, which includes companies with far superior experience, funding and name recognition; the ability of the Company to build an EAI education ecosystem that serves both the B2C consumer market and the B2B institutional education market; the acceptance by teachers and students of the Company’s robotics products in the education market; the Company’s reliance on a single OEM for most of its robotics products; the Company’s ability to get the planned robotics products to comply with all applicable U.S. rules and regulations; the ability of the robotics OEM to timely supply robotics to the Company; tariff uncertainty for imported products, particularly from China; demand from automobile dealers for robotics products; the Company's ability to homologate FX vehicles for sale; the Company’s ability to secure the necessary funding to execute on the FX strategy, which is substantial; the Company’s ability to secure an occupancy certificate covering all of its Hanford facility; the Company's ability to remediate its material weaknesses in internal control over financial reporting and the risks related to the restatement of previously issued consolidated financial statements; the Company’s limited operating history and the significant barriers to growth it faces; the Company’s history of substantial losses and expectation of continued losses; the success of the Company’s payroll expense reduction plan; the Company’s ability to execute on its plans to develop and market its vehicles and the timing of these development programs; the Company’s estimates of the size of the markets for its vehicles and cost to bring those vehicles to market; the rate and degree of market acceptance of the Company’s vehicles; the Company’s ability to cover future warranty claims; the success of other competing manufacturers; the performance and security of the Company’s vehicles; current and potential litigation involving the Company; the Company’s ability to receive funds from, satisfy the conditions precedent of and close on the various financings described elsewhere by the Company; the result of future financing efforts, the failure of any of which could result in the Company seeking protection under the Bankruptcy Code; the Company’s indebtedness; the Company’s ability to use its “at-the-market” program; insurance coverage; general economic and market conditions impacting demand for the Company’s products; potential negative impacts of a reverse stock split; potential cost, headcount and salary reduction actions may not be sufficient or may not achieve their expected results; circumstances outside of the Company's control, such as natural disasters, climate change, health epidemics and pandemics, terrorist attacks, and civil unrest; risks related to the Company's operations in China; the success of the Company's remedial measures taken in response to the Special Committee findings; the Company’s dependence on its suppliers and contract manufacturer; the Company's ability to develop and protect its technologies; the Company's ability to protect against cybersecurity risks; and the ability of the Company to attract and retain employees, any adverse developments in existing legal proceedings or the initiation of new legal proceedings, and volatility of the Company’s stock price. You should carefully consider the foregoing factors and the other risks and uncertainties described in the “Risk Factors” section of the Company’s Form 10-Q for the quarter ended March 31, 2026, filed with the SEC on May 14, 2026, and Form 10-K filed with the SEC on March 31, 2026, and other documents filed by the Company from time to time with the SEC.

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