



## Faraday Future Files Three Patent Applications Through its Future AIHER Subsidiary Relating to AI-Powered Hybrid Extended-Range Systems

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- The three patent applications aim to enhance the efficiency and architecture of AI-powered range-extended powertrain systems by enabling personalized energy management through AI deep reinforcement learning, while simplifying system structure and expanding performance and cross-domain applicability.
- The AIHER system, which is being designed and developed, could be used on future generations of FX models to overcome the weaknesses of conventional hybrid and plug-in hybrid systems, making it particularly suited to cold weather areas.

LOS ANGELES--(BUSINESS WIRE)--May 8, 2025-- Faraday Future Intelligent Electric Inc. (NASDAQ: FFAI) ("Faraday Future", "FF" or "Company"), a California-based global shared intelligent electric mobility ecosystem company, today announced that it has submitted three patent applications through its recently established subsidiary, Future AIHER, seeking to establish a leadership position in intelligent electric powertrain innovation.

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.

The three patent applications mark Future AIHER's first major technical disclosures:

- The first patent application relates to deep reinforcement learning (DRL) techniques to optimize dynamic energy management in hybrid systems. This innovation could provide a technological pathway for FFID to deliver real-time, personalized energy and power management—tuned to each driver's unique style and route conditions.
- The other two patent applications involve structural innovations that simplify the architecture of plug-in hybrid systems. By decoupling the engine, generator, and driving wheels, the systems increase modularity and functionality, enabling powerful yet efficient performance from a streamlined configuration.

Future AIHER is positioning itself to lead commercialization and innovation through a two-phase strategic plan. In the short term, it would focus on integrating existing third-party range extender technology into the planned Faraday X (FX) vehicles, which could enable a faster market entry. In the long term, Future AIHER would aim to design and develop its own AI-driven range extender solutions, leveraging advanced technology to enhance efficiency and potentially expand commercialization opportunities to other mobility OEMs including air, ground, and ocean applications, such as electric vertical takeoff and landing (EVTOL) aircraft, commercial trucking, and electric boating industries.

"These innovations are central to FF's vision of intelligent mobility," said YT Jia, Co-CEO of Faraday Future. "Future AIHER represents a pivotal extension of our mission—bringing high-performance, AI-enhanced powertrains not only to our FF and future FX series models, but also to a wide array of future mobility industries."

### ABOUT FARADAY FUTURE

Faraday Future is a California-based global shared intelligent electric mobility ecosystem company. Founded in 2014, the Company's mission is to disrupt the automotive industry by creating a user-centric, technology-first, and smart driving experience. Faraday Future's flagship model, the FF91, exemplifies its vision for luxury, innovation, and performance. The FX strategy aims to introduce mass production models equipped with state-of-the-art luxury technology similar to the FF 91, targeting a broader market with middle-to-low price range offerings. FF is committed to redefining mobility through AI innovation. Join us in shaping the future of intelligent transportation. For more information, please visit <https://www.ff.com/us/>

### 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 "committed to," "will," "aims to," and "future," 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, are not guarantees of future performance, conditions or results, and involve a number of known and unknown risks, uncertainties, assumptions and other important factors, many of which are outside the Company's control, that could cause actual results or outcomes to differ materially from those discussed in the forward-looking statements.

Important factors, among others, 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; and the Company's ability to secure necessary permits at its Hanford, CA production facility; 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; 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 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 warrant 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 cover future warranty claims; 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-K filed with the SEC on March 31, 2025, and other documents filed by the Company from time to time with the SEC.

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