

OCTOBER 2024

IPR&D SPARK NEWSLETTER

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WELCOME TO THE OCTOBER EDITION OF IPR&D SPARK!



IPR&D Spark Newsletter aims to spark your creativity, ignite your curiosity, and keep you informed on industry trends, legal updates, and insightful analyses. Dive in and explore the fascinating world of IP and R&D with us! This newsletter isn't just about staying informed; it's about fostering a community of passionate minds.

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Tech Spotlight
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LEGAL WATCH

Nvidia & Microsoft Hit with Patent Lawsuit over AI Computing Technology

Contributor: Subin Khullar

Sep' 2024: Nvidia and Microsoft face a lawsuit from Texas-based Xockets, alleging theft of its data processor technology to advance AI products. Xockets claims "rampant" patent infringement and antitrust violations, accusing the companies of conspiring with RPX to reduce the price of its technology. Xockets' innovations in data processing units (DPUs) are crucial for Nvidia and Microsoft's systems, enabling task offloading and acceleration to prevent server processor overload. The lawsuit, filed in Waco, Texas, seeks unspecified triple damages and a court order to halt the sale of products containing the allegedly infringing technology ([Source](#)).

LEGAL WATCH

IBM wins \$45 Million Verdict Against Zynga in Internet Tech Patent Trial

Contributor: Subin Khullar

Sep' 24: IBM has won a federal jury verdict in Delaware, securing \$44.9 million in damages from Zynga for infringing on IBM's patents related to web-based communications. The jury found that Zynga's games, including the "Farmville" series, violated two IBM patents. Zynga, which denied the allegations and argued the patents were invalid, plans to appeal. IBM, pleased with the verdict, has previously sued other companies over similar technology, including Chewy, Rakuten, and Groupon, with varying outcomes and settlements ([Source](#)).

Samsung Hit with \$192 Million US Patent Verdict over Wireless Chargers

Contributor: Subin Khullar

Sep' 24: Samsung Electronics has been ordered by a Texas federal jury to pay over \$192.1 million to Mojo Mobility for infringing five patents related to wireless device charging. The jury found that Samsung's chargers for smartphones, smartwatches, and other devices violated Mojo's patents, developed by electrical engineer Afshin Partovi. The infringement was deemed willful, potentially tripling the award. Mojo sued Samsung in 2022 after failed negotiations. Samsung, which denied the allegations and claimed the patents were invalid, has not commented on the verdict ([Source](#)).

Google Convinces US Appeals Court to Reconsider Nest Patent Verdict

Contributor: Subin Khullar

Sep' 24: Google has secured a rare full-court review from the U.S. Court of Appeals for the Federal Circuit regarding its \$20 million trial loss to EcoFactor over Nest smart thermostats. The court will reassess a split decision affirming the verdict and reconsider Google's objections to EcoFactor's damages expert testimony. EcoFactor, which sells smart home energy-efficiency services, sued Google in 2020, claiming Nest thermostats infringed its patented energy-saving method. A jury awarded EcoFactor over \$20 million in 2022. Google, supported by Apple, Tesla, and Intel, argues the damages analysis was flawed and disconnected from market realities ([Source](#)).

INDUSTRY NEWS

US Senators Demand Action on PTA Errors Costing Consumers Millions

Contributor: Christy George

Sep' 24: Five Democratic Senators have urged the USPTO to correct errors in patent term adjustments (PTA) that extend drug patents beyond statutory limits. These errors allow pharmaceutical companies like Biogen, Gilead, and GSK to delay generic competition and maintain high prices, potentially costing consumers and taxpayers millions. The senators' letter highlights that the USPTO does not require companies to disclose such errors, which exacerbates the issue.

An article in Nature Biotechnology found that eight of 200 key drug patents reviewed received excess PTA, extending their lives by 32 to 190 days. This extension improperly delays the entry of cheaper generic drugs into the market, leading to higher costs for consumers. Additionally, the senators pointed out that the USPTO's current system, the Patent Application Locating and Monitoring (PALM) system, was not originally designed for calculating PTA, contributing to these errors. They urge the USPTO to update its approach and consider potential alternatives to ensure fair competition ([Source 1](#); [Source 2](#)).

INDUSTRY NEWS

EPO and European Commission Sign Landmark Agreement to Boost Innovation and Support SMEs

Contributor: Christy T George

Sep' 24: The European Patent Office (EPO) and the European Commission's Directorate-General for Research and Innovation (DG RTD) have signed a Letter of Intent to enhance cooperation in knowledge valorization and intellectual asset management. This partnership aims to help the European Research Area (ERA) translate research into economic and societal benefits. The agreement includes joint awareness campaigns, training, and events to highlight the importance of intellectual asset management. It focuses on boosting the potential of SMEs and start-ups, strengthening the EPO's cooperation with key EU players, and supporting Europe's innovation ecosystem ([Source](#)).

USPTO Enters \$75M Contract to Modernize with AI

Contributor: Dinesh Sharma

Aug' 24: The U.S. Patent and Trademark Office (USPTO) has entered a \$75 million contract with Accenture Federal Services to modernize its patent examination process using artificial intelligence (AI). Over five years, this initiative aims to enhance the efficiency and quality of patent examinations by integrating AI into IT tools. This will help the USPTO manage the increasing volume of patent applications and perform comprehensive prior art searches more effectively. The project is expected to strengthen the intellectual property system, support innovation, and deliver significant business value ([Source](#)).

Delhi High Court Orders Code of Conduct to Regulate Indian Patent and Trademark Agents

Contributor: Brahmadev Sharma

Aug' 24: The Delhi High Court reinstated a patent application deemed abandoned due to a law firm's negligence in Saurav Chaudhary vs Union of India. The court directed the Controller General to draft a code of conduct for patent and trademark agents, marking a first in Indian IP law. The decision highlighted the lack of regulatory rules for agents and called for stakeholder consultations to finalize the code by December 31, 2024 ([Source](#)).



TECHNO-SPOTLIGHT



5.6x More Damage-Resistant: New Super-Tough Cement Mimicking Human Bone

Contributor: Rachna Gupta

Sep' 24: Princeton engineers created a tougher cement-based material by mimicking the structure of human bone. The material uses tubes to control crack propagation, enhancing damage resistance without adding external materials. This innovation could lead to stronger construction materials for civil infrastructure. The team was inspired by human cortical bone, the dense outer shell of human femurs that provides strength and resists fracture. This bio-inspired design incorporates cylindrical and elliptical tubes within the cement paste that interact with propagating cracks ([Source](#)).

Key M&A/Strategic Alliances

Contributor: Rachna Gupta

Sep' 24 ([Source 1](#), [Source 2](#)):

- **Kemira & IFF** explore broadening of strategic cooperation and announce successful completion of a renewable polymer plant in Finland. The unit will produce unique renewable polymers for Kemira's customers and is based on the patented Designed Enzymatic Biomaterial platform technology (DEB™) developed by IFF:
- **Kemira** has completed the acquisition to purchase Norit's UK reactivation business, Purton Carbons Limited. This acquisition is the first step for Kemira in entering the activated carbon market for micropollutants removal.

Aug' 24 ([Source 3](#)):

- **Hempel A/S** has closed new strategic partnership deal with CVC and welcomes two new board members.

Goodbye Traditional Farming? Harvest Protein from Air and Water

Contributor: Rachna Gupta

Sep' 24: Researchers in Germany have developed a method to harvest protein and vitamin B9 from microbes by providing them with little more than hydrogen, oxygen, and CO₂. The technology, runs on renewable energy to produce a sustainable, micronutrient-enriched protein alternative. This technology aims to address several global challenges: environmental conservation, food security, and public health. Running on clean energy and CO₂, the system reduces carbon emissions in food production. It uncouples land use from farming, freeing up space for conservation ([Source](#)).

Next-Gen Polymers: Innovative Approach for Synthesizing Common Plastics

Contributor: Rachna Gupta

Sep' 24 Polymers like polystyrene and acrylic resins, found in products such as food containers, packaging, and thermal cases, are traditionally synthesized using metal catalysts and radical polymerization initiators. Researchers have innovated polymer synthesis using a Tesla coil to initiate polymerization through a remote spark discharge, successfully synthesizing high-purity polymers and opening new avenues in material synthesis with electromagnetic waves. The Tesla coil's capability to generate a powerful discharge without a counter electrode enables the spark discharge treatment to be conducted externally to the reaction vessel ([Source](#)).

Unlocking Brain Potential via Brain-Computer Interface (BCI)

Contributor: Niveta Singh

Sep' 24: Synchron, similar to Elon Musk's Neuralink, is working on BCI technology aimed at assisting individuals with motor impairments. Once implanted, the device is capable of detecting and wirelessly transmitting motor intent signals from the brain. This enables users to interact with computers without the need for hand or voice input. Synchron is currently trialing the integration of its BCI technology with Amazon's Alexa. This initiative aims to enable individuals who are severely paralyzed to interact with Amazon's smart speaker and other connected devices in their homes. By leveraging this integration, users can control various smart home devices and access Alexa's functionalities without the need for physical movement or voice commands ([Source](#)).

Rise in Malaria Cases Encouraging Scientists to Design New Drug to Fight Malaria

Contributor: Rani Holani

Sep' 24: Plasmodium falciparum is considered as the most dangerous human malaria parasite. Researchers have struggled for decades with the parasite's resistance to antimalarial drugs. A team from UC Riverside, UC Irvine, and Yale School of Medicine has now developed a new drug, MED6-189, which has shown effectiveness against both drug-sensitive and drug-resistant P. falciparum strains in vitro and in a humanized mouse model ([Source](#)).

New Weight Loss Oral Amylin and GLP-1R Agonist Drugs on the Way

Contributor: Rani Holani

Sep' 24: Oral once-a-day amylin and GLP-1R drugs eliminate the need for current injectable medications to achieve the same weight-loss results. These drugs target the gastrointestinal tract, allowing for oral administration. The combination of these two components reduces appetite, decreases energy intake, and increases satiety. Currently, there are no tablet-form treatments targeting both of these biological pathways. Novo Nordisk is developing Amycretin, which mimics the action of two peptide hormones in a single molecule ([Source](#)).

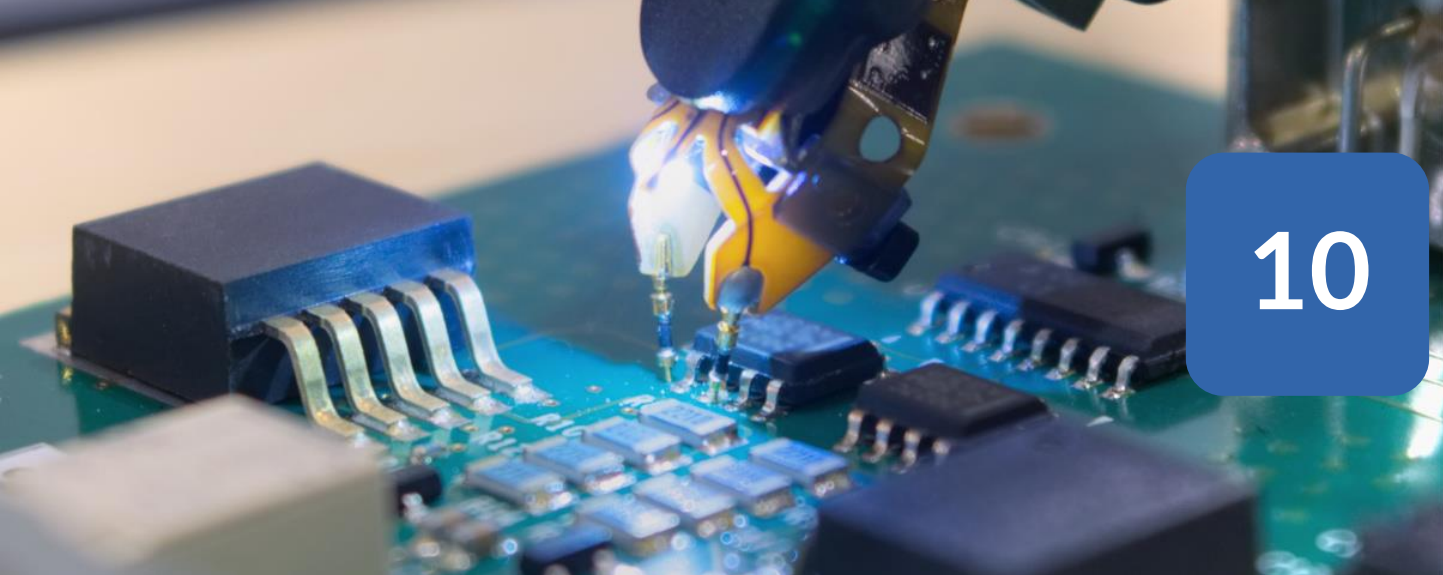
Apple to Add Sleep Apnea Feature to Smartwatch

Contributor: Niveta Singh

Sep' 24: Using Breathing Disturbances metric, sleep apnea notifications are added to Apple watch this month. The watch will analyze the data every 30 days and alert users if there are consistent signs of moderate-to-severe sleep apnea.

The sleep apnea notifications is anticipated to receive authorization from the Food and Drug Administration shortly. It will be available in over 150 countries and regions, including the U.S., European Union, and Japan ([Source](#)).





US & India Join Hands to Expand Semiconductor Industry

Contributor: Mukesh Kumar

Sep' 24: The U.S. and India are collaborating to expand the global semiconductor supply chain, supported by the ITSI Fund under the CHIPS Act of 2022. The U.S. Department of State will work with the India Semiconductor Mission to explore growth opportunities. This partnership aims to build a resilient and secure semiconductor value chain. The initial phase involves assessing India's semiconductor ecosystem, including its regulatory framework, workforce, and infrastructure. Key stakeholders in India will play a major role. The ITSI Fund, created by the CHIPS Act, will help both nations strengthen their semiconductor industries and improve supply chain resilience ([Source](#)).

Blockchain and Quantum Computing are on a Collision Course - Expert Warns

Contributor: Mukesh Kumar

Sep' 24: Quantum computers could potentially break current blockchain encryption, risking billions in cryptocurrency assets, according to a quantum policy expert. Quantum-resistant cryptography and quantum random-number generators are emerging as vital solutions to protect blockchain networks from quantum attacks. Companies are already developing quantum-secure blockchain technologies to counter these future threats. Arthur Herman, Senior Fellow at the Hudson Institute, highlights the risks quantum computing poses to blockchain and cryptocurrencies. Traditional cryptographic methods, like Elliptic Curve Cryptography (ECC), could be easily cracked by quantum algorithms. Quantum cryptography and quantum-resistant algorithms are essential for future blockchain security ([Source](#)).

US Calls on Big Tech to Help Evade Online Censors in Russia & Iran

Contributor: Mukesh Kumar

Sep' 24: The White House met with representatives from Amazon, Google, Microsoft, Cloudflare, and others to urge U.S. tech giants to provide more digital bandwidth for government-funded internet censorship evasion tools. These tools have seen increased usage in Russia, Iran, Myanmar, and other authoritarian states. The pitch was to offer discounted or subsidized server bandwidth for VPN applications funded by the U.S.-backed Open Technology Fund (OTF). Laura Cunningham, OTF's president, noted a surge in VPN demand, especially in Russia and Iran. The U.S. State Department has boosted OTF's budget, but the organization struggles to meet the growing demand due to high hosting costs ([Source](#)).

Will ANSYS' Extended Collaboration with TSMC Propel Top-Line Growth?

Contributor: Atul Kumar Pal

Sep' 24: ANSYS Inc. (ANSS) has expanded its collaboration with TSMC to revolutionize the semiconductor industry using AI to enhance multiphysics solutions for high-efficiency designs. This initiative addresses the complexities of modern chip design for AI, HPC, data centers, and wireless telecommunications. The partnership aims to streamline workflows and boost productivity by analyzing 3D integrated circuits (IC), photonic, electromagnetic (EM), and radio frequency (RF) designs. By incorporating Ansys optiSLang, the design flow is automated, reducing the number of EM simulations required. Additionally, ANSS, TSMC, and Synopsys (SNPS) are addressing multiphysics coupling challenges, ensuring designs meet stringent power, performance, and area requirements ([Source](#)).



New Nicotine Oral Film Products Emerging in the Market

Contributor: Neha Negi

Sep' 24: According to reports, the nicotine oral film of the orgco brand is produced in the company's factory in Indonesia, with a nicotine content of 2% in the product. China Boton Group showcased a nicotine oral film called "ECHI" at their booth. Another brand called "melta" offers a variety of flavored nicotine oral films to choose from ([Source](#)).

BAT to Launch Synthetic Nicotine e-Cigarette in South Korea

Contributor: Neha Negi

Sep' 24: British American Tobacco's South Korean subsidiary revealed on the 23rd that its synthetic nicotine e-cigarette, named "Nomad", has applied for a trademark and is scheduled to be officially launched in November. BAT plans to release the synthetic nicotine e-cigarette in South Korea, taking advantage of legal loopholes there ([Source](#)).

PMI plans to sell Vectura for a loss of £220 million in Sale

Contributor: Neha Negi

Sep' 24: Philip Morris International expects to record a record loss of about £220 million (\$198 million) on the sale of its inhaled-therapeutics Vectura Group unit to Molex Asia Holdings in the third quarter ([Source](#)).

New Zealand Government Bans Disposable E-cigarettes and Increases Penalties

Contributor: Neha Negi

Sep' 24: The New Zealand government website announced the latest news about the complete ban on disposable e-cigarettes ([Source](#)).

Kaival to Merge With Delta Corp.

Contributor: Neha Negi

Sep' 24: Kaival Brands Innovations Group and Delta Corp. Holdings have entered into a merger and share exchange agreement whereby Kivial Brands and Delta will each become subsidiaries of a specially created holding company, Pubco ([Source](#)).

Firstunion Technology Recognized in Dortmund

Contributor: Neha Negi

Sep' 24: Firstunion's Alkaid Light heating technology received an HNB innovation award on Sept. 19 at the InterTabac exhibition in Dortmund, Germany. Alkaid light-heating method leverages full-spectrum light waves, mimicking the natural power of sunlight to deliver rapid and uniform heating. According to Firstunion, this enables the device to preheat in just five seconds, offering users instant satisfaction with a smooth, seamless draw ([Source](#)).

Brand Ranking Released

Contributor: Neha Negi

Sep' 24: Marlboro remains the world's most valuable tobacco brand, but smokeless alternatives are gaining ground ([Source](#)).





Adapting to "Choiceful" Consumer Behavior

Contributor: Tejasvi Sinha

Aug' 24: In recent snapshot of consumer behavior, the term "choiceful" has emerged as a key descriptor indicating shoppers are making selective decisions based on their current needs and perceived value. Despite a slight rise in consumer optimism and plans to increase spending on essential and discretionary items, rising prices remain a significant worry.

CPG companies are refining their strategies enhancing market presence, focusing on core brands, driving flavor innovation, and increasing marketing efforts. CPG companies like Coty, Tapestry, WK Kellogg, Molson Coors, Kenvue, and Kraft Heinz are adapting by emphasizing clear messaging on product value, accelerating innovation, and targeting specific demographics, especially Gen Z ([Source](#)).

Luxury Brands Embrace Digital Consumer Engagement

Contributor: Tejasvi Sinha

Sep' 24: Luxury brands such as Versace, Chanel, Gucci, Burberry, Ralph Lauren, and Giorgio Armani are increasingly investing in digital strategies.

Interaction with consumers is crucial for luxury brands to maintain relevance. Companies are utilizing personalization techniques to connect with their audience. Versace introduced augmented reality features allowing customers to virtually try on products.

As consumer behavior shifts, 66% of shoppers review a brand's website before visiting a physical store, indicating that luxury brands are enhancing their online presence to provide concierge-level services digitally. Giorgio Armani utilizes 3D technology for its Made to Measure service, allowing virtual consultations to enhance the customer experience

LVMH invested over \$300 million in AI startups to further enhance digital experiences ([Source](#)).

Personal Care Brands Focus on Personalization and Sustainability

Contributor: Kanika Banga

Sep' 24: The beauty industry continues to adapt to changes stemming from the COVID-19 pandemic, with personal care brands prioritizing personalization and convenience.

Consumers are increasingly scrutinizing ingredient lists and seeking products that support their overall well-being. This demand has prompted luxury brands to innovate by developing offerings that enhance emotional wellness. Additionally, brands are tailoring their products to meet individual consumer needs through personalized assessments such as quizzes for hair and skin.

In the UK, consumers are more focused on product efficacy than brand reputation, providing an opportunity for brands to engage celebrities, dermatologists, and influencers for promotion ([Source](#)).

Marketers Embrace Generative AI But Lack Clarity on Business Impact

Contributor: Kanika Banga

Sep' 24: A recent global study by SAS and Coleman Parkes Research reveals that marketers are at the forefront of generative AI (GenAI) adoption, with 75% currently utilizing the technology for tasks such as copywriting, editing, and content creation. Despite this high usage, 90% of Chief Marketing Officers (CMOs) report that they do not fully understand how GenAI will impact their business processes.

63% of marketers are using GenAI, and 90% plan to invest in it in 2025 to save time, reduce costs, and enhance data processing.

SAS emphasizes that bridging the gap in education, data governance, and compliance is essential for fostering consumer trust and fully exploiting GenAI's capabilities ([Source](#)).

Caution for Peanut Allergy Sufferers: Mustard Contamination Alert

Contributor: Megha Walia

Sep' 24: People with peanut allergies should avoid mustard-containing products due to potential peanut contamination from GT Agro Industries in India, affecting UK supplier FGS Ingredients Ltd. Products like dips, sauces, salads, and pre-packed sandwiches may be impacted. The Food Standards Agency (FSA) is working to identify and recall affected items. Consumers should check labels and inquire about mustard content when dining out ([Source](#)).

Study Reveals Presence of Toxic Metals in Tampons: Should You Be Concerned?

Contributor: Ankit Negi

Sep' 24: A University of California, Berkeley study found 16 toxic metals, including lead, arsenic, mercury, and zinc, in 30 tampons from 14 brands across the US, Greece, and England. Organic tampons had high arsenic levels, while non-organic ones had high lead levels. The study highlights potential health risks due to vaginal tissue absorption and calls for better product testing and labeling ([Source](#)).

Rising Concerns Over Teflon Flu: Is Your Non-Stick Cookware Safe?

Contributor: Harjinder Singh

Aug' 24: The safety of non-stick cookware is under scrutiny due to polymer fume fever, or Teflon flu, caused by inhaling toxic fumes from overheated PTFE coatings. Over 3,500 cases have been reported in the US, with symptoms like headache, fever, and shortness of breath appearing 4-10 hours after exposure. Health experts advise proper use, such as avoiding preheating empty pans and using kitchen exhaust fans. In India, the condition may be underreported due to a lack of awareness and specific tests ([Source](#)).

Hidden Dangers in Your Cake: Health Officials Warn of Harmful Dyes

Contributor: Pooja Meher and Jiju Narayan

Oct' 24: The Karnataka health officials found 223 out of 235 cake samples to be safe for consumption but 12 samples contained cancer-causing ingredients, which are mostly artificial dyes like Allura Red, Sunset Yellow FCF, Ponceau 4R, Tartrazine, and Carmoisine, among others. These dyes were present in varieties like red velvet and black forest cakes. This warning comes after the Food Safety Department banned artificial colors like Rhodamine-B in dishes like gobi Manchurian, kebabs, and Pani-puri sauces ([Source](#)).

Elusive Melatonin: BfR's Warning to At-Risk Groups

Contributor: Akshay Jawale

Sep' 24: Melatonin, a hormone regulating sleep-wake cycles, is found in small amounts in certain plant-based foods. BfR warns against the uncontrolled long-term use of melatonin supplements. At-risk groups include children, pregnant or breastfeeding women, patients with autoimmune conditions or epilepsy, those with liver/kidney issues, and those at risk of type 2 diabetes. Potential interactions with prescribed medications are also a concern ([Source](#)).

Advancing Understanding of Immunotoxic Effects of PFAS Exposure

Contributor: Hansrabha Mudgal

Aug' 24: PFAS are a class of synthetic chemicals widely used in industry. Subsequent to its 2020 opinion on the human health risks of PFAS in food, the European Food Safety Authority (EFSA) has filled data gaps on their immunotoxic potential using New Approach Methodologies (NAMs). An integrated testing strategy (ITS) with in vitro and in silico methods confirmed epidemiological findings, provided mechanistic insights, and supported regulatory risk assessment for PFAS immunotoxicity ([Source](#)).

India Joins IMDRF: Boosting Medical Device Standards and Innovation

Contributor: Latika Sharma

Oct' 24: India's Central Drugs Standard Control Organization (CDSCO) joined the International Medical Device Regulators Forum (IMDRF) as an Affiliate Member. This partnership will align India's medical device regulations with global standards and enhance the country's regulatory framework. With CDSCO accessing international expertise and best practices, the move will expedite device approvals, improve patient safety, and elevate India's healthcare system by ensuring high-quality medical devices and fostering innovation and competitiveness in the sector ([Source](#)).

EPA Enacts Historic Ban on DCPA Pesticide Over Serious Health Risks to Unborn Babies

Contributor: Harjinder Singh

Aug' 24: In a historic move, the U.S. EPA has urgently banned the pesticide Dimethyl tetrachloroterephthalate (DCPA), citing severe health risks to unborn babies, including irreversible brain damage and low birth weight. This first emergency suspension in 40 years targets an herbicide used on crops like Broccoli and Onions. AMVAC, the sole manufacturer, will cancel all registrations, marking a significant win for public health and farmworker safety ([Source](#)).



'Ford Patented a Unique Drug Detection System for its Cars

Contributor: Nitesh Kumar

Sep' 2024: A new Ford patent, filed in March 2023 and published September 19, describes an "unknown cargo detection and evidence collection system" designed to prevent vehicle owners from becoming a "blind mule" for drug traffickers. Blind mules are people caught crossing the border with drugs they did not know about, and it is a common scheme for traffickers looking to get contraband into the United States without risking their freedom. Ford's System checks the vehicle's weight, listening for nearby suspicious activity, and scanning for unfamiliar GPS radio frequencies traveling with the car, as traffickers often watch their victim's location to retrieve the contraband on the other side of the border ([Source](#)).

Ashok Leyland Joins Nidec Motor Corporation to Drive Electric Mobility Innovation

Contributor: Nitesh Kumar

Sep' 2024: Ashok Leyland has announced a strategic partnership with Japan's Nidec Motor Corporation, a global leader in electric motor drives. This will facilitate in developing innovative e-drive motors for the commercial sector ([Source](#)).

Nuvera Fuel Cells to Demo H2-Powered Mobile Power Generator for EV Charging

Contributor: Nitesh Kumar

Sep' 2024: Nuvera Fuel Cells is all set to demonstrate its first operational 'HydroCharge' system, a hydrogen-powered AC Genset and DC fast charger for on-site power and EV charging. The company claims that the innovative system is suitable for deployment in warehouses, parking lots, malls, construction zones, mining sites, shipping ports, and airports. The system can also act as backup power source in data centers, telecom facilities, and car rental centers ([Source](#)).

JSW MG Motor India Partners with Vision Mechatronics to Provide Second-Life EV Battery Solutions

Contributor: Nitesh Kumar

Sep' 2024: JSW MG Motor India has announced the launch of India's first high-voltage (HV) second-life battery featuring a homegrown Battery Management System (BMS) as part of 'Project Revive.' The innovative product, developed in collaboration with Vision Mechatronics, was showcased at The Battery Show held at the India Expo Mart, Greater Noida. The battery is equipped with an indigenous BMS, specifically designed for industrial applications, offering advanced monitoring systems and safety measures, including protections against thermal runaway ([Source](#)).



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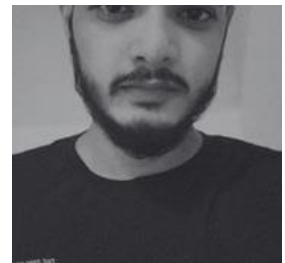
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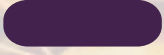
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