

Food Sciences

Our firm is at the forefront of safeguarding innovation in the dynamic and rapidly evolving field of food sciences.

Our dedicated team of patent attorneys possesses a profound understanding of the intricacies of food technology, providing comprehensive strategies to protect and defend your groundbreaking advancements, from novel food ingredients to sustainable food systems.

Your Innovations, Our Expertise

The food industry is experiencing unprecedented transformation, driven by consumer demand for healthier, more sustainable, and personalized food options. The combined impact of climate change, environment pollutants, and pandemics threaten the global food system and creates urgent needs for innovative solutions in the areas of agricultural practices, food production, packaging, and transportation, as well as dietary and nutritional management. Food and nutrition science integrates many aspects of biotechnology, chemistry, engineering, and business methodology. Key areas include genetics, neuroscience, bioinformatics, big data analyses, chemical and biological fortification, enzymology, nanotechnology, imaging, decision-analysis, and risk assessment and management.



Our patent attorneys are not just legal experts; many possess advanced degrees and prior experience in food chemistry, nutritional science, biotechnology, and chemical engineering, making them uniquely positioned to grasp the technical nuances of your inventions. We are well-versed in the latest trends and terminology, including:

- **Alternative Proteins:** From plant-based proteins and fungi-derived alternatives to cultivated meat and insect-based ingredients, we protect the innovations driving the future of protein sources.
- **Precision Fermentation and Cellular Agriculture:** Protecting processes for producing ingredients like dairy proteins, fats, and flavors through microbial fermentation, and the methodologies behind lab-grown oligo- and polysaccharides products.
- **Functional Foods and Nutraceuticals:** Securing intellectual property for food products enhanced with specific health benefits, including prebiotics, probiotics, postbiotics, bioactives, bioceuticals and dietary supplements.
- **Sustainable Food Processing:** Patenting methods that reduce environmental impact, such as upcycling food waste, valorization of by-products, and circular economy approaches in food production.

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- **Personalized Nutrition:** Protecting diagnostic tools, data analytics, and methods for customizing food formulations tailored to individual dietary needs and genetic profiles.
- **Food AI and Digital Food Technologies:** Safeguarding innovations in AI-driven food design, smart packaging, blockchain for food traceability, and IoT in food supply chains.
- **Clean Label and New Ingredients:** Protecting extraction methods, stabilization techniques, and formulations for natural flavors, colors, and preservatives.
- **Food Safety and Antimicrobial Solutions:** Innovations in pathogen detection, novel preservation techniques, and antimicrobial coatings for enhanced food safety.
- **CRISPR and Gene Editing in Food:** Navigating the complex landscape of genome editing for crop improvement, enhanced nutritional profiles, and disease resistance in agricultural products.
- **Agricultural Developments:** Protecting processes for environmentally safe herbicides, insecticides, and pesticides.

Strategic Protection for Your Food Science Innovations

We understand that securing a patent is more than just filing an application; it's about building a robust intellectual property portfolio that aligns with your business objectives. Our approach includes:

- **Comprehensive Prior Art Searches:** Meticulously identifying existing innovations to ensure the novelty and non-obviousness of your invention.
- **Strategic Patent Drafting:** Crafting detailed and broad claims that cover the full scope of your innovation, from composition of matter to novel processing methods and unique food product formulations. We focus on protecting the synergistic effects of ingredient combinations and the unexpected utility of your inventions.
- **Global Patent Prosecution:** Navigating the complexities of international patent systems to secure protection for your innovations in key markets worldwide.
- **Freedom-to-Operate Opinions:** Providing expert analysis to mitigate infringement risks and ensure your products can enter the market without legal challenges.
- **Licensing & Commercialization Support:** Assisting with agreements that maximize the value of your intellectual property assets.
- **Enforcement & Litigation:** Vigorously defending your patent rights against infringement, safeguarding your market position and investment in R&D.

Our patent attorneys are knowledgeable in food sciences and have a diverse portfolio of food sciences clients. We are committed to helping you turn your pioneering food science innovations into valuable, defensible assets.