Patent Agent

Joshua Devorkin

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Profile

Joshua Devorkin is a patent agent based in Fitch Even's Chicago office. He assists clients with U.S. patent application preparation and prosecution, including analyzing prior art, preparing applications, responses to USPTO office actions, and strategies for preparing continuing applications.

Josh has experience working with clients in industries such as those in mechanical, medical devices, and energy and clean technologies sectors.

Before joining Fitch Even, Josh worked as a Patent Analyst for a chemical manufacturing company that develops silicon-graphene materials for lithium-ion batteries. He went on to work at the U.S. Patent and Trademark Office where he served as a patent examiner in the specialized areas of power generation systems, heating and cooling systems, fluid control devices, wireless transmitters and radioisotope production devices. His experience was further broadened during his time as an Intellectual Property Engineer with a leading Japanese manufacturing firm.

Complementing his industry experience, Josh's research into the physicochemical and mechanical characteristics of plasma-treated biointerfaces, aimed at mitigating biofilm development on medical devices, equips him with a unique perspective that enhances the support he offers to his clients.

Education

M.S., Law, Northwestern Pritzker School of Law, 2020, *with honors*

B.S., Plasma Engineering, University of Illinois, 2019

Bar Admissions

U.S. Patent and Trademark Office

Services

Patent Preparation + Prosecution

Industries

Energy + Clean Technology

Environmental Engineering

Mechanical Engineering + Manufacturing

Representative Matters

- Assists with prosecution of U.S. patent applications directed to aviation components for a global conglomerate.
- Assists with prosecution of U.S. patent applications directed to medical devices and equipment for a U.S. medical device company.

Presentations + Publications

Publications

- Arias, S. L., Shetty, A., Devorkin, J., & Allain, J. P., "Magnetic targeting of smooth muscle cells in vitro using a magnetic bacterial cellulose to improve cell retention in tissue-engineering vascular grafts." Acta biomaterialia, vol. 77, 2018: 172-181.
- Arias, S. L., Devorkin, J., Spear, J. C., Civantos, A., & Allain, J. P., "Bacterial Envelope Damage Inflicted by Bioinspired Nanostructures Grown in a Hydrogel." *ACS Applied Bio Materials*, vol. 3 no. 11, 2020: 7974-7988.
- Arias, S. L., Devorkin, J., Civantos, A., & Allain, J. P., "Escherichia coli adhesion and biofilm formation on Polydimethylsiloxane are independent of substrate stiffness." *Langmuir*, vol. 37 no. 1, 2020: 16-25.
- Arias, S. L., Devorkin, J., Civantos, A., Jaramillo, C., & Allain, J. P., "Bioinspired Interfaces for the Management of Skin Infections." *Racing for the Surface: Pathogenesis of Implant Infection and Advanced Antimicrobial Strategies*, 2020: 457-476
- Arias, S. L., Cheng, M. K., Civantos, A., Devorkin, J., Jaramillo, C., & Allain, J. P., "Ion-induced nanopatterning of bacterial cellulose hydrogels for biosensing and anti-biofouling interfaces." *ACS Applied Nano Materials*, vol. 3 no. 7, 2020: 6719-6728.