



## Minseung Ahn, Ph.D.

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## Overview

Minseung Ahn, Ph.D., concentrates his practice on patent preparation and prosecution in the areas of mechanical engineering, electrical and computer technology, semiconductor processing and devices, and software.

Prior to joining Fish & Richardson, Minseung worked at Intel Corp., where he developed next-generation CPU and SoC products. He also has extensive research and industry experience in mechanical engineering, semiconductor equipment, control systems, optical instruments, haptics, MEMS, and nanotechnology.

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## Additional insights

### Publications

- R. K. Heilmann, M. Ahn, A. Bruccoleri, et al. "Diffraction Efficiency of 200 nm Period Critical-Angle Transmission Gratings in the Soft X-Ray and Extreme Ultraviolet Wavelength Bands," *Appl. Opt.* 50(2011)
- D. L. Voronov, M. Ahn, E. H. Anderson, et al. "High Efficiency 5000 Lines/mm Multilayer-Coated Blazed Grating for Extreme Ultraviolet Wavelengths," *Opt. Lett.* 35(2010)
- M. Ahn, R. Heilmann, M. Schattenburg, "Fabrication of 200 nm-period blazed transmission gratings on silicon-on-insulator wafers," *J. Vac. Sci. Technol. B*(Nov/Dec 2008)
- R. Heilmann, M. Ahn, E. Gullikson, M. Schattenburg "Blazed high-efficiency x-ray diffraction via transmission through arrays of nanometer-scale mirrors," *Optics Express* 16(June 2008)
- M. Ahn, R. Heilmann, M. Schattenburg, "Fabrication of ultra-high aspect-ratio freestanding gratings on silicon-on-insulator wafers," *J. Vac. Sci. Technol. B* 25(Nov/Dec 2007)

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## Services

Patent  
Patent Prosecution  
Strategic Patent Counseling & Opinions

## Industries

Electrical & Computer Technology

Semiconductors  
Consumer Electronics  
Optics  
Autonomous Vehicles

## Admissions

U.S. Patent and Trademark Office (2017)  
District of Columbia (2023)

## Languages

English  
Korean

## Education

J.D., Georgetown University Law Center (2023)  
Ph.D., Mechanical Engineering, Massachusetts Institute of Technology (2009)  
M.S., Mechanical Engineering, Massachusetts Institute of Technology (2005)  
B.S., Mechanical and Aerospace Engineering, Seoul National University (1999)