BARDEHLE PAGENBERG Team

Julian Wienand

Dr. rer. nat., M.Sc. (Physics)

Patent Engineer

Location Munich
Languages: German, English

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Julian brings his scientific expertise in physics, deep tech, and IT to complex patent prosecution, opposition, nullity, and patent infringement proceedings. Since 2025, he has been supporting clients in strategic patent enforcement and defense across national and European jurisdictions – working with multinational corporations and SMEs as well as startups in Europe and beyond.

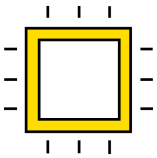
Julian is a quantum physicist and published author in leading scientific journals. After having conducted research at Stanford University, he completed his doctorate at the Max Planck Institute for Quantum Optics and LMU Munich, specializing in analog quantum computing with ultracold atoms. As an experienced lecturer and speaker – including to non-technical audiences – he is specialized in distilling complex technical concepts into clear, persuasive arguments.

Through his work at the European Commission in Luxembourg, Julian also gained deep insights into the European innovation ecosystem, which greatly enhance his strategic approach to intellectual property protection.

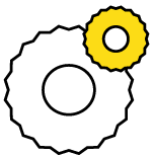
Domaines Juridiques

Patent Litigation	Patent Prosecution
Oppositions and Nullity	Due Diligence

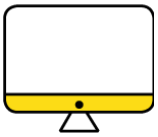
Secteurs industriels



Semiconductor Technology

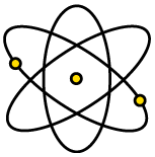


Mechanical Engineering

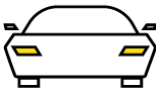


Software, IT & Computer Technology

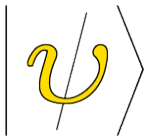
Telecommunications



Physics



Automotive



Quantum Technologies

Publications

J. F. Wienand, S. Karch, A. Impertro, C. Schweizer, E. McCulloch, R. Vasseur, S. Gopalakrishnan, M. Aidelsburger, I. Bloch, “Emergence of fluctuating hydrodynamics in chaotic quantum systems", Nature Physics 20, 1732-1737 (2024)

J. F. Wienand, F. Horn, M. Aidelsburger, J. Bibo, F. Grusdt, “Thouless pumps and bulk-boundary correspondence in higher-order symmetry-protected topological phases”, Phys. Rev. Lett. 128, 246602 (2022)

A. Impertro, J. F. Wienand, S. Häfele, H. v. Raven, S. Hubele, T. Klostermann, C. R. Cabrera, I. Bloch, M. Aidelsburger, “An unsupervised deep learning algorithm for single-site reconstruction in quantum gas microscopes", Nat. Comm. Phys. 6, 166 (2023)

Lectures & Seminars

Julian is a co-author and teacher of a 10-day course called “Experimental quantum optics - from laser physics to quantum simulation“ (2023 Summer academy of the German Scholarship Foundation in Leysin, Switzerland)

Memberships

Julian is a member of the German Physical Society.

Curriculum vitae

2025 - aujourd'hui	Patent Engineer at BARDEHLE PAGENBERG, Munich, Germany
2025 - aujourd'hui	Studies of law for patent attorneys at the remote-learning university FernUniversität in Hagen, Germany
2024 - 2025	Blue Book Trainee at the European Commission (Quantum Technologies)
2020 - 2024	Ph.D. in Quantum Physics at the Ludwig Maximilians University Munich and the Max Planck Institute of Quantum Optics, financed by the German Scholarship Foundation and the Marianne-Plehn-Program
2019 - 2020	Visiting Student Researcher at Stanford University (USA)
2017 - 2020	Master's degree in Physics at the Ludwig-Maximilians-University Munich
2017 - 2018	Studies at the University of Grenoble (France)
2014 - 2017	Bachelor's degree in Physics at the University of Würzburg