## BARDEHLE PAGENBERG Team

# Simon Essing

**Dr.-Ing., M. Sc. (Mechanical Engineering)**

**Patent Engineer**

Location Munich
Languages: German,  English

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Simon Essing brings a solid background in engineering and expertise in microsystems to his professional endeavors. He holds a Master’s degree in Mechanical Engineering and conducted his doctoral studies in the field of gas sensing. Simon's experience ranges from hands-on research as a research engineer in the semiconductor industry to academia as a doctoral student where he taught undergraduates and made significant contributions to R&D in sensor technology. In addition, his role as a freelance lecturer at a Singaporean university reflects his ability to communicate complex technical knowledge.

## Legal Areas

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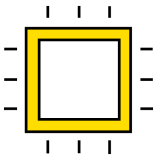
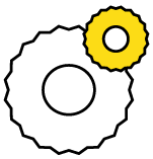
|---|---|
| Patent Valuation | Patent Litigation |
| Patent Prosecution | Oppositions and Nullity |

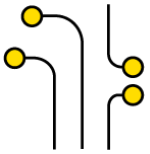
## Industries



Semiconductor Technology

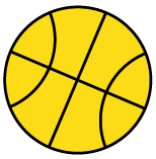


Mechanical Engineering

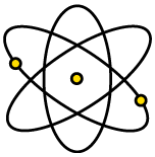


Electrical Engineering

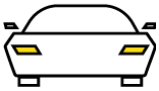
Medical Devices



Sports



Physics



Automotive

## Publications

Simon Essing is the author of several publications in the field of photoacoustic gas sensing. These deal with the physical models, measurement methods and algorithms developed during the research.

## Lectures & Seminars

Simon Essing has presented his research at numerous national and international conferences and has taught several undergraduate courses in the field of electrical engineering at the TUM in Munich and the SIT in Singapore.

# Curriculum Vitae

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|---|---|
| **2024 - today** | Studies of law for patent attorneys at the Fernuniversität Hagen, Germany |
| **2023 - today** | Technology expert and trainee patent attorney at BARDEHLE PAGENBERG in Munich, Germany |
| **2020 - 2023** | Research engineer in an R&D project at Infineon Technologies AG and TUM in the field of photoacoustic gas sensors |
| **2019 - 2024** | Doctorate (Dr.-Ing) at the Technical University of Munich (TUM), in the field of photoacoustic gas sensors |
| **2019 - 2023** | Freelance lecturer in the field of Electronics and Data Engineering at the Singapore Institute of Technology (SIT), Singapore |
| **2019** | Master's thesis at Infineon Technology AG titled "Miniaturized photoacoustic NO2 sensor" |
| **2017** | Semester abroad at the Nanyang Technological University, Singapore |
| **2016 - 2019** | Studies (M.Sc.) of Mechanical Engineering at Technical University of Munich (TUM), Munich, Germany |
| **2013 - 2016** | Studies (B.Sc.) of Mechanical Engineering at Technical University of Munich (TUM), Munich, Germany |
| **2011 - 2013** | Training as an industrial technologist for mechanical engineering at Siemens AG, Erlangen and Hamm, Germany |