MAIWALD
INTELLECTUAL
PROPERTY

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Dr. Stephan Maidl

Patent Attorney Trainee
M.Sc. Mechanical Engineering

Stephan Maidl is a trainee patent attorney at Maiwald. His work mainly relates to intellectual property protection in the fields of mechanical and plant engineering as well as automotive and electrical engineering.

During his studies in mechanical engineering at the Technical University of Munich and Imperial College London, Stephan acquired extensive knowledge in the field of fiber-reinforced plastics (FRP). He used this as a basis on which to develop, in the context of his doctoral studies, an integrated sensor system for quality monitoring of an FRP production process. His work focused mainly on wireless measurement technology, energy harvesting, as well as image processing and data analysis using AI algorithms. His research results on digitalisation and Industry 4.0 have been successfully patented, published in scientific journals and presented at international scientific and industry-oriented conferences.

CAREER

since 2023	Patent attorney trainee at Maiwald
2017 - 2023	Research Associate at the Chair of Carbon Composites at Technical University of Munich; Head of research field AI, Digitalization and Online Process Monitoring

EDUCATION

since 2023	Studies law for patent attorneys at the University of Hagen
2018 - 2023	Doctorate on the development of an integrated sensor system for quality inspection during production of fiber-reinforced plastics
2015 - 2017	Master’s degree in Mechanical Engineering & Management at Technical University of Munich; Master Thesis at Imperial College London
2011 - 2015	Bachelor's degree in mechanical engineering & Management at the Technical University of Munich

PRACTICE AREAS

- 电气工程&机械制造
- 移动交通&能源

- 测量&工艺流程技术
- 医疗技术&医学成像
- 专利&实用新型

SERVICES

- Patent examination proceedings and portfolio management
- Application strategies and drafting of patent applications
- Freedom-to-operate- and validity opinions
- Opposition and nullity proceedings

RECOGNITIONS

- Innovation Award of SAMPE Germany (Society for the Advancement of Materials and Process Engineering) for the Master Thesis as outstanding development in the field of fiber-reinforced plastics
- Alumnus of the German Academic Scholarship Foundation and of the Max Weber-Programme of the Elite Network of Bavaria
- GDCh-Prize for best high school graduate in chemistry

PUBLICATIONS

- (Non-)obvious alternatives

LANGUAGES

- German
- English
- French