

Patenting procedures relating to autonomous driving and electromobility

Vienna, Austria

Wednesday, 8 May 2019

**Roundtable: Austrian industry, academia and patent attorneys
Austrian Patent Office
EPO**

Venue: Veranstaltungssaal, Austrian Patent Office

Moderated by Marcus Rabe, Senior Expert, EPO

- 08.45** **Registration**
- 09.15** **Welcome**
Mariana Karepova, President, APO
Marcus Rabe, Senior Expert, EPO
- 09.30** **Inventions in the fields of autonomous driving and electromobility**
- Classification and accessibility of data
 - Filing figures and their evolution over time
 - Summary of the EPO study on autonomous driving
- Nicola Moscelli, patent examiner, EPO*
- Searching for patents and applications in Espacenet
- Gerhard Karlicek, patent examiner, APO*
- 10.30** Coffee break
- 11.00** **Prosecution of patent applications: how to meet the patentability requirements. Search and examination practice at the EPO and at the APO – practical examples of the life of an application from filing to grant**
- Klaus Loibner, patent examiner, APO*
Nicola Moscelli, patent examiner, EPO
Teodor Iulian Alecu, patent examiner, EPO
- 11.30** **Overview of procedures and legal aspects related to computer implemented inventions and artificial intelligence**

Teodor Iulian Alecu, patent examiner, EPO
Klaus Loibner, patent examiner, APO

12.15 Austrian Action Programme towards automated and collaborative mobility

Michael Nikowitz, Coordinator, bmvit

12.45 Discussion with the floor on patenting activities in the fields of autonomous driving and electromobility

- Patenting practices and field-specific hurdles as perceived by the audience
- Oppositions: recent trends as perceived by the audience
- Communication between examiners and applicants

Chair: Dietmar Trattner, Vice President, APO

13.15 Wrap-up by the moderator and closing remarks

Dietmar Trattner, Vice President, APO
Marcus Rabe, Senior Expert, EPO

13.30 End of event



Speakers

European Patent Office

Marcus Rabe

Senior expert
Sector Information and Communications Technology
European Patent Office, Munich

Marcus Rabe graduated from the Rheinisch-Westfälische Technische Hochschule (RWTH) in Aachen (DE) with an engineering degree in electricity/electronics in 1988. He then worked at the Deutsche Telekom in a broadband communications network project.

Mr Rabe joined the EPO in 1990 as an examiner and has since then been working in the technical field of wireless communication networks. From 2011 to 2015, he has been assigned to the Institutional Strengthening group of European Patent Academy on a part-time basis where he has organized many training events for examiners of the EPO's member states offices. Since 2016, Mr Rabe is a senior expert in the Sector ICT.

As an examiner and senior expert, Mr Rabe is involved in search and examination of patent applications. In addition, he regularly chairs examining divisions during oral proceedings and is involved in opposition procedures. He passed the European Qualifying Examination (EQE) in 2001.

Teodor Iulian Alecu

Patent examiner
Sector Information and Communications Technology
European Patent Office, The Hague

Teodor Alecu holds a PhD in Computer Science from the University of Geneva, a diploma in Electrical Engineering and a Masters in Acoustics from INSA Lyon and an LLM from the University of Edinburgh. Having joined the EPO in 2006, he works as a patent examiner in the field of pattern recognition. He is an experienced chairman in examination and opposition and a long-term coach of new examiners. He has passed the EQE examination and has participated in various patent law seminars.

Nicola Moscelli

Patent examiner
Sector Mobility and Mechatronics
European Patent Office, The Hague

Nicola Moscelli is an engineer with a Master's degree in microelectronics. He did research at the Vienna University of Technology under a Marie Curie program about biological cell analysis, and later worked in the automotive industry as responsible for the emergency brake assistance (EBA) functionality development and validation/testing in radar-based advanced driving assistance systems (ADAS), before joining the EPO as a patent examiner in applied physics. At the EPO he works in the fields of sensors and testing systems. He is involved in search and examination of patent applications. He has a WIPO certification for IP management and he is pursuing as well the European qualifying examination.



Austrian Patent Office

Mariana Karepova

President
Austrian Patent Office, Vienna

Mariana Karepova received her Master's degree in Economics from the University of Vienna, followed by advanced education at the London School of Economics (UK) in Economics and Global Finance and at the MIT (USA) in Strategy and Innovation. After having worked in the Austrian Chamber of Labour (1997 to 2000), at the European Commission (2000 to 2003), at the Austrian Research Promotion Agency (2003 to 2011) and as a Member of Cabinet of the Austrian Minister for Transport, Innovation and Technology (2011 to 2015), Mariana Karepova became president of the Austrian Patent Office in 2015.

Additionally, she is Vice-Chairwomen of the Association „Industry 4.0 Austria“ - Platform for Smart Production, Board Member of the Austrian Institute of Technology (AIT), Presidential Council Member of Austrian Standards International, and Board Member of the Society for the Promotion of Research (GFF).

Dietmar Trattner

Vice President Technology
Austrian Patent Office, Vienna

Dietmar Trattner is a physicist with a PhD in solid state physics. He graduated from the University of Vienna. After two years as post doc scientist he joined the Austrian Patent Office as an examiner in 1984. Since this time, he also became responsible for different tasks in the fields of international cooperation, classification systems and PCT, as well as in the IT department implementing different electronic search systems. After eight years as head of the electronic division, he was nominated in 2008 as Vice President in the Austrian Patent Office.

Gerhard Karlicek

Patent examiner in training
Technical Department 3 – Electrical Engineering and Computer Science
Austrian Patent Office, Vienna

Gerhard Karlicek is an Electrical Engineer with a Master's degree (Dipl.-Ing.) in Energy Engineering from the Vienna University of Technology. He wrote his master's thesis on the topic of economics of small-scale photovoltaics at the Energy Economics Group. In 2017 he joined the Austrian Patent Office where he is currently undergoing his training as a patent examiner. He is involved in search and examination of patent applications in the fields of dynamo-electric machines and propulsion of electrically-propelled vehicles, as well as in opposition procedures.

Klaus Loibner

Patent Examiner
Technical Department 3 – Electrical Engineering and Computer Science
Austrian Patent Office, Vienna

Klaus Loibner received his Master's degree (Dipl.-Ing.) in Telematics from Graz University of Technology. He worked in the electronics industry as development engineer and as systems engineer in the field of information and communication technology, before joining the



Austrian Patent Office (APO) as a patent examiner in the department of Electrical Engineering and Computer Science in 2000.

At the APO he works in the fields of wireless communication networks, selecting, secret communication, jamming of communication, generation of oscillations, automatic control, starting, synchronisation, or stabilisation of generators or electronic oscillators or pulses and circuit arrangements for electric light sources.

He is involved in search and examination of patent applications, as well as in opposition procedures and in patent invalidity proceedings. Additionally, he is appointed as technical lay judge for patent litigations at the Higher Regional Court of Vienna (Oberlandesgericht Wien).

External speaker

Michael Nikowitz

Coordinator Automated Driving

Office of the Secretary General

Austrian Federal Ministry for Transport, Innovation and Technology

Michael Nikowitz holds a Master's degree of Science in Engineering in Mechatronics and Robotics from the University of Applied Sciences – Technikum Vienna.

He worked for several years in the automotive industry as a Robotics Engineer as well as a Laser Scientist specialising on ultrashort pulse laser systems. He also worked at the Austrian Association for Advanced Propulsion Systems in the field of alternative drive trains and their energy carriers, representing Austria at the International Energy Agency and developing roadmaps for eco-mobility and automated driving.

Since November 2016, he is tasked with the coordination and strategic development of the Austrian Federal Ministry of Transport's initiatives in automated driving in the General Secretary's Office. He was responsible for the development of the Austrian Action Programme on Automated Mobility 2019-2022.