



**PATENT, TRADEMARK AND
DESIGN ATTORNEYS**

ENGLISH

Protection of Innovations

The success of a company depends mainly on its creativity and innovations. New products and new services contribute to a company's success. Because of the usually relatively high development costs, it becomes more and more important to protect new products and services in order to retain the company's sole rights to them and to secure returns in the company's favor.

Thus, effective protection of new products and services is essential since unprotected goods and services in Germany and other European countries are free to be copied by third parties, normally without any negative legal consequences for the imitator.

Intellectual property rights are national or regional exclusive rights for the protection of inventions, products, methods, services, designs and marks. Intellectual property rights grant the exclusive right to their proprietor to manufacture, advertise, sell, use, export, import or otherwise commercialize the protected goods and services.

Intellectual property rights are highly efficient weapons in order to exclude competitors from using, copying, manufacturing, advertising, importing and selling your new innovative products and services.

Leading in competition



Imitation of innovations



Intellectual Property Rights



Protection of innovations

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Intellectual Property Rights

The most important Intellectual Property Rights are patents, trade marks, utility models and designs.

Technical Inventions can be protected by patents and utility models, for instance an electronic circuit, a chemical compound, a drug, a method of manufacture, or a device for controlling machines.

Signs and names for goods and services can be protected by trade marks, for instance a catchy name for a product or product line such as cosmetics pharmaceuticals, medical devices, clothes, services, machines, or office products.

The layout of a product can be protected by design, for instance the esthetic layout of a machine, a medical product, bottles, cutlery, furniture, toys, bags, or headphones.

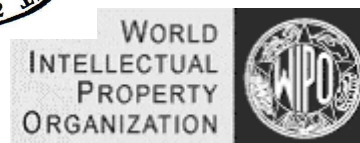
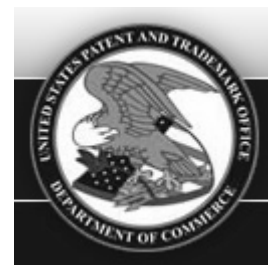
In order to obtain an Intellectual Property Right an official procedure has to be successfully completed. For obtaining a German patent, trade mark, utility model or design an application has to be filed with the German Patent and Trademark Office. After fulfilling formal and material requirements, the Intellectual Property Rights will be granted or registered.

Patents and utility models

Trade marks

Design patents

Official procedure



Services

ABK offers a comprehensive range of services for the protection of your innovations and inventions in the fields of biotechnology, medical devices, pharmacy, chemistry, genetics, biology, cosmetics, solar technology, electronics, and mechanics.



ABK offers advisory services relating to the development and marketing of new products and services concerning patentability of inventions and the patent status of your own and your competitor's Intellectual Property Rights.

Advisory services

ABK conducts searches for Intellectual Property Rights and state of the art documents.

Searches

ABK creates protection strategies for you in Europe, Germany and any other country of the world.

Protection strategies

ABK prepares applications for patents, trademarks, designs and utility models.

Seeking for protection

ABK prepares license agreements and other technical agreements such as confidentiality, cooperation, material transfer, and consultancy agreements.

License agreements

The patent attorneys of ABK are legitimated to represent clients before the European Patent Office, the European Trademark and Design Office in Alicante (Spain), the German Patent and Trademark Office, the German Federal Patent Court, and in nullity cases before the German Federal Supreme Court.

Representation

Technical Fields

The Team of ABK represents and supports clients in all technical fields such as pharmacy, chemistry, biotechnology, electronics, and mechanics.



The Chemistry-Biotechnology-Group of ABK is specialized in worldwide patent protection, expert opinions, searches, oppositions and trademark matters in the field of chemistry, pharmaceuticals, biotechnology and medical devices.

**Chemistry,
Pharmaceuticals,
Biotechnology and
Medical devices**

The Mechanics-Electronics-Group of ABK is specialized in solar technology, software, turbine technology and mechanics.

**Electrical engineering,
Mechanics and Physics**

Our interdisciplinary team of technical specialists especially offers support and services in the following scientific fields:

Interdisciplinary Team

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<p>Chemistry Pharmaceuticals Comestibles Galenics Alloys Theranostics Proteomics Cosmetics</p>	<p>Medical devices Genetic engineering Asymmet. synthesis Explosives Biotechnology Coatings Oil exploration Nanotechnology</p>	<p>Biochemistry Scents Vaccines Implants Biology Diagnostics Polymers Plant variety</p>	<p>Solar technology Physics Mech. engineering Auto. engineering Software Turbine technology Electronics Radio technology</p>
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Chemistry, Biotechnology, Medical Devices Team

Hans-Lothar Arth is a European and German Patent Attorney and European Trademark and Design Attorney.

Dr. Arth obtained his Doctorate in chemistry in 1997. For his studies he received an award of the German Chemical Society.

Dr. Arth specializes in chemistry, pharmacy, biotechnology, medicine, and especially in organic, polymer, and enzymatic chemistry, asymmetric synthesis, drug development, pharmaceutically active agents, and oil and gas exploration.

During his Doctorate, Dr. Arth synthesized chiral derivatives of natural products, designed assays, and prepared enzymes such as aldolases.

During his 15-months of post-doctoral work at the Ohio State University (Columbus, Ohio, U.S.A.), Dr. Arth was involved in the synthesis of a new anti-cancer drug.

Before founding his own patent law firm, Dr. Arth worked 1.5 years with the pharmaceutical company Axxima Pharmaceuticals AG in Munich where he established the company's intellectual property department. He represented this pharmaceutical company at a financing round of about 40 million Euros.

Within the past few years Dr. Arth supported various companies at initial public offerings and financial rounds, represented companies towards investors and evaluated IP-portfolios and scientific projects for investors

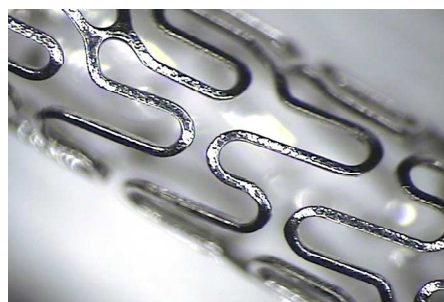
Furthermore Dr. Arth supported companies at a IP-strategic product development and the IP-portfolio management.

Dr. Arth is a member of VPP and FICPI.

Hans-Lothar Arth, Ph.D.



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Stent

Biology, Biotechnology, Medical Devices Team

Dr. Jennifer Baltes received a diploma in human biology from the Medical Faculty at the University of Marburg and a PhD from the Medical Faculty at the University of Göttingen under supervision of Prof. Dr. von Figura.

During her studies, she gained practical and theoretical knowledge in molecular biology, biochemistry, cell biology, microbiology, immunology and molecular biology. Due to her strong biomedical background, her focus professionally lies with the biotechnology/pharmaceutical industry.

Dr. Baltes is responsible for the elaboration of patent applications, reply to office actions, appeals, applications for cancellations and actions for the declaration of nullity, and for expert's reports in the areas of pharmacy, galenics, biotechnology and medical products.

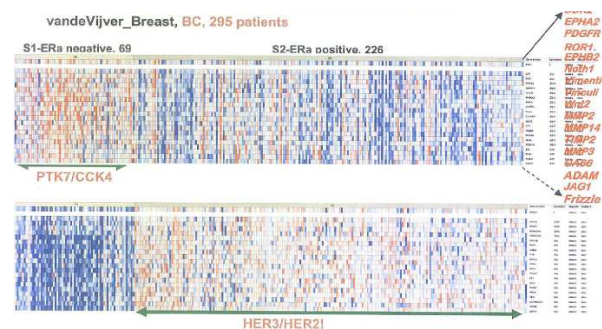
Further Dr. Baltes advises domestic clients how to file international trademark and design patent applications, at the strategic product development, the identification of patent strategies as well as the destruction of granted patents, particularly in Europe.

Dr. Baltes is head of the Biology and Biotechnology Team at ABK.

Jennifer Baltes, Ph.D.



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Gene expression profile

Chemistry, Biotechnology, Medical Devices Team

Dianne Snowden is a microbiologist and molecular biologist. She obtained her Doctorate in microbiology in 2000 from La Trobe University, Australia.

During her doctorate Dr. Snowden worked on the characterization of an unidentified virus-like particle using a range of standard virological, biochemical and genomic investigations.

Dr. Snowden has a broad background in microbiology, virology and molecular biology and has lectured in microbiology at Australian universities.

Dr. Snowden specializes in biotechnology for both the medical and agricultural fields, DNA, RNA and gene technology, immunology, diagnostics and assay systems, antibiotics, vectors and expression systems.

In addition, Dr. Snowden has worked for several years as a technical specialist for a large patent law firm in Japan. During this time she obtained valuable experience in the prosecution of biotechnology patents before the Japanese Patent Office.

Dianne Snowden, Ph.D.



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DNA structure

Chemistry, Biotechnology, Medical Devices Team

Dr. Boo Geun Kim is a chemist. He obtained his B.S. and M.S. degree of industrial chemistry at the Hanyang University, Seoul, Korea. He visited chemistry diploma course at TU Berlin and obtained his doctorate in chemistry at Potsdam University.

During his doctorate his research focused on organometal-induced stereoselective radical reaction and [3+2] cycloaddition of nitronates and their application for synthesis of ulosonic acids and carbohydrate C-analogues.

He worked as a postdoc in a medicinal chemistry group at Leibniz-institute of molecular pharmacology (FMP) in Berlin. His research topic was development of new phosphatase inhibitor for treatment of acute myeloid leukemia. He has acquired experience in high-throughput screening (HTS), hit-to-lead optimization, validation by *in vitro* assays, high-throughput library synthesis by synthetic robot, synthetic automation and compound management.

His scientific expertise focuses on organic chemistry, medicinal chemistry, pharmacy, organometallic chemistry and polymer chemistry.

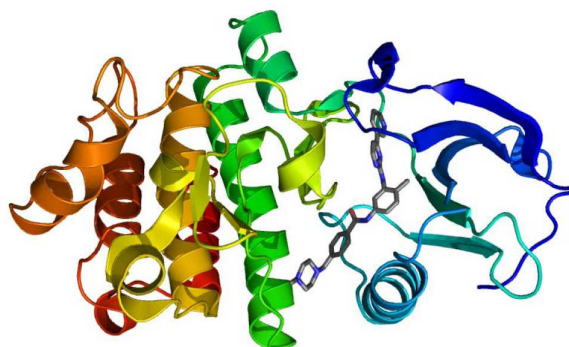
He speaks German, English and Korean fluently and has good knowledge of Japanese.

Dr. Kim's work focuses on international and European application, expert opinions and advising of clients in Asia.

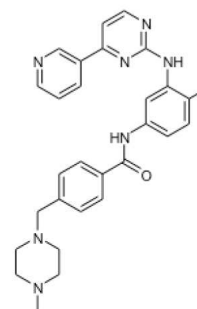
Boo Geun KIM, Ph.D.



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Imatinib (Gleevec)



Chemistry and Chemical Engineering

Oliviana Călin, Ph.D.

Dr. Oliviana Călin studied Chemistry at the Ecole Nationale Supérieure de Chimie de Rennes (France) specializing in life science chemistry and technology involving organic chemistry, biochemistry and chemical engineering. Her studies within Federation Gay Lussac were awarded with a Novartis fellowship.

In September 2009, she joined the group of Prof. Seeberger at the Max Planck Institute of Colloids and Interfaces, Berlin (Germany) as a Marie Curie fellow. Her research focused on asymmetric synthesis of rare sugars as a key step for the assembly of immunogenic glycoconjugates, as well as on the automated solid phase synthesis of oligosaccharides. She received her Ph.D degree in 2013 from Freie Universität, Berlin.

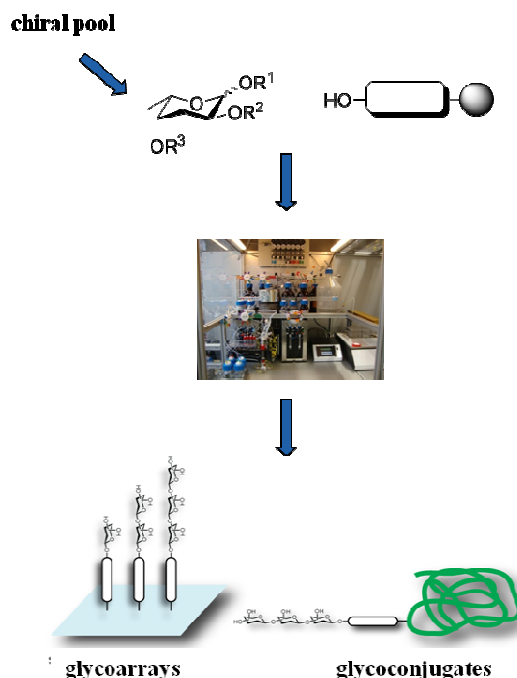
She has gained industrial experience with Sanofi-Aventis Research and Development and Veolia Environment. Her scientific expertise comprises life science chemistry and technology and more specifically organic and organometallic chemistry, medicinal chemistry, asymmetric synthesis and oligosaccharide synthesis.

Dr. Călin is a well-versed expert in saccharide chemistry and vaccines.

Oliviana Călin speaks French, English and Romanian fluently and has good knowledge of German and Spanish.



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Synthesis of oligosaccharides

Chemistry, Biotechnology, Medical Devices Team

Dipl.-Chem. Senada Duric studied chemistry at the Technical University of Tuzla, Bosnia and Herzegovina with emphasis on technical chemistry and process technology. Thereafter, she studied environment protection technology at the Technical University of Munich.

Ms. Duric gained her experience in industry when working with a chemical engineering laboratory. She continued her career with a leading position in a company performing microbiological environment analysis.

During that time, Ms. Duric developed her enthusiasm for patent matters and consequently she attended an intellectual property course at the University of Hagen in order to become a patent engineer. She joined ABK in June 2005.

The scientific skills of Dipl.-Chem. Senada Duric comprise chemical engineering, inorganic chemistry, power industry, oil and gas exploration, environment protection technology, analytics and materials science.

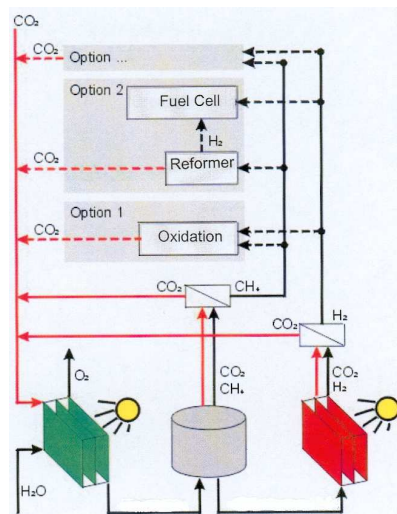
Linguistic proficiency:

German, English, Serbo-Croatian, Russian.

Dipl.-Chem. Senada Duric



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Fuel Cell

Biology, Biotechnology, Medical Devices Team

Dr. Kristoffer Heindorff is a physiologist. He studied biology at the University of Potsdam with a focus on physiology and biochemistry. He obtained his doctorate at the University of Potsdam in the field of animal physiology in 2012.

In his doctoral thesis, Dr. Heindorff investigated interactions of intracellular signaling pathways. Herein, he elucidated crosstalk mechanisms between the Ca^{2+} signaling pathway and the $InsP_3/cAMP$ signaling pathway on the physiological, molecular and biochemical level.

Thereafter, he has extended his proficiencies during a post-doc in the field of olfactory research at the Department of Physiology at the School of Medicine of Saarland University.

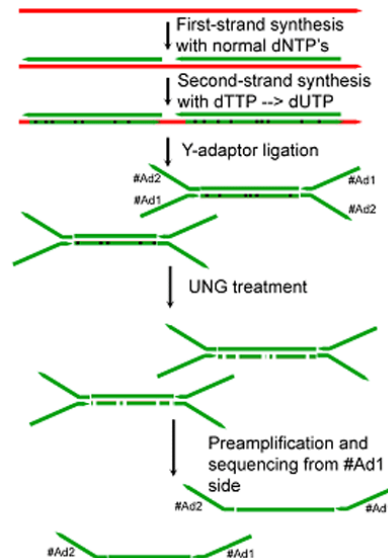
During his studies, Dr. Heindorff gained practical and theoretical knowledge in animal and plant physiology, biochemistry, molecular biology and molecular pharmacology. Moreover, he has attained extensive skills in modern light microscopic techniques.

Dr. Heindorff speaks German and English and has good knowledge of French.

Dr. Kristoffer Heindorff



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Strand specific differentiation

Commercial Law, Licenses, Intellectual Property

Tianna Dauner is an attorney at law licensed in the State of Florida, U.S. and permitted to practice as such by the Bar Association of Munich, Germany. She obtained her Juris Doctorate in 2005.

Mrs. Dauner specializes in commercial transactions, and advises companies on their licenses and intellectual property, particularly trademarks and copyrights.

Before establishing her law practice full-time, Mrs. Dauner worked for White & Case LLP in Munich, and Fujitsu-Siemens. She also advises companies on compliance with regulatory authorities in the areas of Life Sciences, Finance, and Competition.

Mrs. Dauner is a Visiting Professor of Law at the University of Munich (Ludwig-Maximilians-Universität) for Competition law.

Tianna Dauner, J.D.



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Biology, Biotechnology, Medical Devices Team

M. Sc. Limin Su studied food technology at the Shenyang Agricultur University, Shenyang, China and bioinformatics at the Ludwig Maximilian University of Munich as well as technology and biotechnology of food at the Technical University of Munich.

During her master thesis she worked on alcoholic and thermal influences on emulsifying properties of egg yolk and protein-protein interactions. Ms. Su has a diploma and a M. Sc. in technology and biotechnology of food.

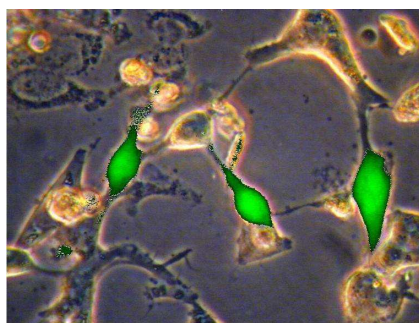
Her scientific expertise comprises food science and cosmetics, especially process engineering, cosmetic formulations, bioprocess technology, microbiology, nutrition physiology, food chemistry as well as chemical analysis of cosmetics and food.

Linguistic proficiency: Chinese, German and English.

M. Sc. Limin Su



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Transfected cells

Chemistry, Biotechnology, Medical Devices Team

Dr. Nicolai Brodersen studied chemistry at the Ludwig-Maximilians University in Munich and at the Humboldt-University in Berlin and finished 2005 with his diploma thesis. The topic of his thesis was concerned with the functionalization of nucleosides and the chemistry of molecular recognition on lipid bilayers. Afterwards Dr. Brodersen received a doctorate at the Humboldt-University in Berlin at the department of synthetic organic chemistry. The topic of his thesis was concerned with novel lipid-conjugates for the functionalization of phospholipid-membranes with regard to a controlled drug release out of lipid vesicles.

After the doctorate Dr. Brodersen worked as a scientist in the chemical industry in the specialist division of "research and development".

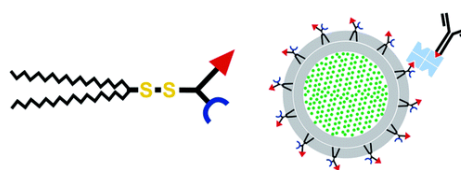
Dr. Nicolai Brodersen is author of numerous scientific publications and joint inventor of two patent applications. The scientific expertise of Dr. Nicolai Brodersen comprises biochemistry, organic and inorganic chemistry, pharmacology and spectroscopic analytics.

Dr. Nicolai Brodersen speaks German, English and French.

Nicolai Brodersen, PhD



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Controlled release vesicle

Biotechnology, Medical Devices Team

Dr. Martin Landsberger studied biology, chemistry and educational sciences at the University of Munich from 1988 to 1994. He was a research associate at the Institute of Botany, University of Munich, and obtained his doctoral degree in 1999. After a post-doctoral position at the University of Southampton, United Kingdom, he became assistant lecturer in the Department of Internal Medicine at the University of Greifswald in 2000, and set up his own group "Molecular Cardiology" working on pathophysiology and pharmacotherapy of cardiovascular diseases.

Dr. Landsberger has published a large number of scientific publications and has successfully applied for research funding, e.g. DFG, and BMBF. He has given lectures on pharmacology and pathophysiology and supervised a large number of doctoral and master theses.

His technical specializations are pharmacology, molecular biology, cell biology, biochemistry, biotechnology, and gene technology.

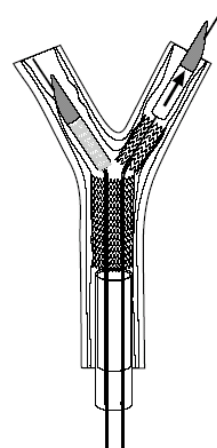
Dr. Landsberger advises international clients in the areas of pharmacology, molecular biology, medical products, cell biology, biochemistry, biotechnology and genetic technology.

Dr. Landsberger is a member of VBIO, DGK, and GfMVB.

Martin Landsberger, Ph.D.



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Bifurcation catheter

Electronics, Mechanics, and Physics Team

Kirstin Bettin studied information technology with an emphasis on RF technology at the Technical University Ilmenau in Germany.

During her studies, Ms. Bettin attended an 8 month internship at the chip design company SICAN GmbH in Hannover developing a HDL implementation of boundary scan basic elements.

After graduation in 1993, Ms. Bettin worked for several years at the Fraunhofer Institute for Integrated circuits in Erlangen in the field of chip design and developed application specific integrated circuits. Furthermore Ms. Bettin was responsible for the implementation of a database at the Institute and developed a customer specific database in Lotus Notes.

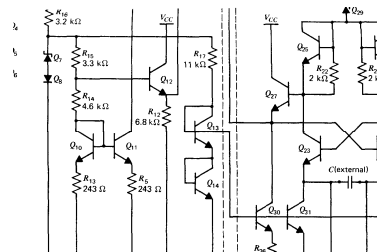
After two and a half years living in San Diego, CA, USA, Ms. Bettin joined ABK as a patent engineer. Her technical specialist fields are information technology, digital circuit design, database technologies, RF technology, and automotive engineering.

Linguistic proficiency: German, English, French, Russian

Dipl.-Ing. Kirstin Bettin



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Partial view of a circuit diagram
of an operational amplifier

Patent Law Firm

The ABK Head Office is located in Berlin Charlottenburg in the proximity of the German and European Patent Offices.

ABK is strictly client oriented and represents national and international companies, universities and private scientific institutes in all matters regarding intellectual property rights. Furthermore, ABK collaborates with an international network of specialized law firms, has its own Translation Department and a Search Department for monitoring intellectual property rights, scientific fields and competitors.

The ABK Team is very strong in drafting patent applications especially in fields with a lot of prior art documents, because each application is prepared by a team of specialists. The ABK Team is also very strong in representing clients in oppositions and nullity suits before the German and European Patent Office and the German Federal Patent Court.



Headquarter of ABK in Berlin
in the Villa von Walsleben.

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ABK Team at Christmas Brunch



**PATENT, TRADEMARK AND
DESIGN ATTORNEYS**