

Innovation is nothing without protection

... 60 IP Professionals ... 4 European Offices
... Totally dedicated to IP protection

Nanotechnology Patenting Team Profiles

HASELTINE LAKE[®]
EUROPEAN PATENT & TRADE MARK ATTORNEYS

INTRODUCING HASELTINE LAKE'S CROSS-DISCIPLINARY NANOTECHNOLOGY TEAM

This extraordinarily diverse and fast-moving sector is pushing back the frontiers of innovation so quickly that Governments, research institutions, commercial enterprises and patent protection systems around the world are all struggling to keep up. Our challenge as patent attorneys is to protect and secure our client's breakthroughs and innovations in this ever shifting arena. To do this, we have formed a cross-disciplinary team of patent attorneys, each with specialist skills and experience but sharing an over-riding enthusiasm for and an interest in nanotechnology in all its forms and applications.

Members of the team meet regularly to explore the overlap and interplay of their various disciplines and to brief each other on international developments. We exchange information with Haseltine Lake's network of international attorneys. This keeps us informed about developments in the USA, Japan, China and other key regions. In return, we are able to share our knowledge of European (EPO), UK national and German national patent prosecution in the nanotechnology area.

We hope you will take a few minutes to look at the career profiles of the team members. In nanotechnology patenting, we think our mix of skills, experience, contacts and enthusiasm is hard to beat.

For further information contact our team coordinator Elizabeth Cooper-Rolfe.

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NANO APPLICATIONS

- *bioMEMS, biochips and biosensors*
- *drug delivery systems*
- *implantable medical devices*
- *lab-on-a-chip*
- *MEMS / MOEMS / RFMEMS / NEMS*
- *microelectronics and microfabrication techniques*
- *microfluidic devices*
- *molecular motors*
- *nanomagnetic devices*
- *nanomaterials*
- *nanoprinting*
- *nanoscale production of semiconductor devices*
- *ultraprecision machining*

ELIZABETH COOPER-ROLFE

UK Patent Attorney
BSc Physics
Bristol University

Elizabeth's experience spans a wide range of technical areas within the mechanical and electrical fields. She has particular experience handling magnetic subject matter and a keen interest in the diverse science of nanotechnology. Prior to training as a patent attorney, Elizabeth worked as a Patent Examiner in the electrical division of the UK Patent Office (UKPO).

Elizabeth acts for numerous University spin-out companies working in the areas of magnetic tagging, computer animations and nano-scale devices. She also acts for a leading construction company and a multinational electronics company.

Elizabeth is a member of the Institute of Nanotechnology (IoN) and is the coordinator of Haseltine Lake's specialist Nanotechnology Team. She has recently attended a number of modules of the Master's course in Microsystems and Nanotechnology run by Cranfield University.



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CHRISTINE FENLON – PARTNER

UK and European Patent Attorney
BSc Physics
Imperial College, London

Christine has patent drafting and prosecution experience worldwide in a wide range of areas including railway engineering, building construction, optoelectronic and semiconductor devices, magnetic tags, ultrasound imaging, optical and magnetic disk technology and road surfacing technology.

Christine's clients include major suppliers of rail fastening components, designers of optical sensors and other optoelectronic devices, semiconductor device manufacturers and companies working in the fields of optical and magnetic disk technology.

Christine is a member of Haseltine Lake's specialist Nanotechnology Team. In addition she is the partner responsible for developing client and business relationships in the US state of Illinois.

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TIMOTHY STEBBING – PARTNER

UK and European Patent Attorney
BSc Physics with Electronics and Computing
Edinburgh University

Since joining Haseltine Lake in 1983, Tim has gained experience in the diverse areas of semiconductor technology, telecommunications and networks, office equipment, display technologies, storage devices, image processing, computing including software, and Internet- and business-related inventions. Aside from electronics, Tim has also gained experience in sports technology and metals processing. He has particular knowledge of European patent procedure, having spent 6 years working in our Munich Office.

Tim's clients include several multinational electronics and computer companies, and one of the world's biggest steel companies.

A regular overseas traveller particularly to Japan and the USA, Tim is a member of the International Association for the Protection of Intellectual Property (AIPPI).

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DAVID O'CONNELL – PARTNER

UK and European Patent Attorney
BA Engineering Science
Oxford University

With an Engineering degree specialising in electrical and electronic engineering, David joined Haseltine Lake as a trainee in 1985. He has wide experience of patent filing and prosecution for inventions relating to computer hardware and software, and communications technology. More specifically fixed and mobile telephony, wireless transmission / reception, ultra wideband wireless communication, optoelectronic devices, bioinformatics and semiconductor devices. David has a specific interest in developing IP strategies for start-up companies.

David's clients include multinational corporations, international hardware manufacturers, start-up companies and University research exploitation organisations.

David is a regular visitor to Japan and the USA. A number of his major clients are based in the US state of California where he is the partner specifically responsible for supporting client and business relationships.

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DAVID BROWN – PARTNER

UK and European Patent Attorney
UK and European Trade Mark Attorney
MA Natural Sciences
Cambridge University

David's experience includes substantial amounts of biotech and medical chemistry, as well as the technology of petroleum and industrial minerals. Biotech specialisms include immunology and recombinant vaccines. Medical chemistry specialisms include liposome drug and DNA delivery systems, plant-derived and general pharmaceuticals, as well as hydrogel skin adhesives. Industrial minerals specialisms include kaolin clay processing and applications.

David has many years of experience in oral proceedings (hearings) at the European Patent Office (EPO), including parallel opposition and litigation proceedings. David also has broad experience of UK and EU (Community) trade mark registration, agreement and enforcement (anti-counterfeiting) matters, primarily in the fields of sports merchandising and pharmaceuticals.

David has a diverse range of UK and overseas clients. His work for them includes patent drafting and prosecution in the UK and EU Patent Offices, opposition and litigation, provision of opinions on infringement / validity and related legal issues, licensing, and surveillance.

A member of the Federation Internationale Des Conseils En Propriete Industrielle (FICPI) and International Trade Mark Association (INTA), David is a frequent visitor to Japan and the USA, where he is the partner responsible for developing client and business relationships in the state of Virginia and the District of Columbia.

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ULRICH BENEDUM – PARTNER

European Patent Attorney
European Trade Mark Attorney
German Patentanwalt, Dipl.-Chem., PhD

After receiving a natural science degree in the analysis of highly repetitive DNA sequences on chromosomes, Ulli continued in scientific research and became a fellow at the Max-Planck-Institute for Biochemistry, Munich and thereafter at the European Molecular Biology Laboratory in Heidelberg, taking a PhD in protein secretion in eukaryotes. Ulli joined Haseltine Lake in 1992 specialising in life science and pharmaceutical patent matters. He has experience in genetic engineering, recombinant proteins, peptide synthesis, natural compounds, immunoassays, pharmaceutical formulations and medical devices. Ulli undertakes prosecution cases before the European Patent Office (EPO) where he also handles opposition and appeal cases. Another focus is patent prosecution before the German Patent Office (GPO) and infringement and nullity suits in Germany.

Ulli's clients in the biotechnology area are mainly midcap research and development companies, Universities and science institutes. As a registered Patentanwalt, Ulli is admitted to the Federal Patents Court, Civil Courts and the Federal Court of Justice, and regularly advises on contentious issues of employee's inventions on behalf of US and German clients.

With German as his primary language, Ulli is also fluent in English and works in both languages. A frequent traveller to the USA and the Far East, Ulli is the partner responsible for developing client and business relationships in Germany and in the US state of Georgia. He is a member of the German Chemical Society, Geschäftsstelle der Deutschen Vereinigung für gewerblichen Rechtsschutz und Urheberrecht (GRUR), Federation Internationale Des Conseils En Propriete Industrielle (FICPI) and International Association for the Protection of Intellectual Property (AIPPI).

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ALAN CHAMBERLAIN

UK Patent Attorney
BSc Mathematics and Physics
Bristol University

Alan specialised in classical mechanics and theoretical physics including quantum mechanics, with a final year project in high-temperature superconductivity.

Alan joined Haseltine Lake in 2001 and became one of the company's youngest ever qualified attorneys when he passed the 2004 UK qualifying examination. He has experience of inventions in various fields, including telecommunications, microprocessors and computer software-implemented inventions in areas such as control of mobile telephone networks, data encryption, and bioinformatics.

Alan has dealt with a wide range of clients, including Universities, start-up companies and multinational corporations.

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JOHN HUTCHISON

Patent Attorney-in-Training
BSc Chemical Physics (Edinburgh University)
PhD Physical Chemistry (Cambridge University)

John has studied areas including: solid state physics, electronics, optics, quantum mechanics, spectroscopy, interfacial chemistry, thermodynamics, colloid and polymer chemistry and catalysis. His PhD project involved development of a new method to measure adsorption of surfactants at the water-air interface on millisecond timescales, using the laser-based techniques of Optical Second Harmonic Generation and Ellipsometry.

John has experience of inventions in a number of different fields, including pharmaceutical and petrochemical. In the nanotechnology area, John is involved in the drafting and prosecution of patents relating to new materials for use in applications such as magnetic data storage and water purification.

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