



Christopher Smith



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Dr. Christopher Smith handles patents and registered designs in the electronics and software fields.

Chris joined Reddie & Grose in 2010 and qualified as a European Patent Attorney in 2014. He works mainly in the electrical and computing fields.

Chris studied Electrical and Mechanical Engineering at Oxford University. During this time and before, he worked in the aerospace industry on the development of aircraft ejection seats and entry, descent and landing systems for space probes, including the Beagle 2 lander on the European Space Agency's 2003 Mars Express mission.

Chris earned his PhD in the Offshore Engineering research group at Oxford University, developing new approaches to simulating wave mechanics and free-surface flows using techniques borrowed from signal processing such as wavelet transforms. His research included a focus on wave interactions with offshore structures of interest to the oil and gas industry including surface-piercing cylinders and floating, production, storage and offloading (FPSO) vessels. Chris presented his research at conferences and in journals in the fields of offshore engineering and fluid mechanics. The research also led to articles in publications such as the International Journal of Numerical Methods in Fluids.

Chris spent a further couple of years at Oxford as a post-doctoral researcher developing a laser microscope capable of high-speed 3D imaging, picking up skills in optics, lasers and FPGA design along the way.

This extensive experience means that Chris has developed specialist knowledge in many different technical fields, including signal and image processing, optics, lasers, and fluid dynamics, on top of a broad engineering background.

Chris has drafted and prosecuted applications for patents and registered designs all over the world for individual inventors and multinational corporations, in technical fields such as telecommunications, audio and video coding, amplifiers and transformers, semiconductors, packaging and consumer products. He also has experience dealing with patent infringement and validity disputes.

When not in the office, Chris likes spy fiction, P. G. Wodehouse, pub quizzes and old film cameras.

Publications in the media:

- [Patenting AI and protecting intellectual property](#)
- [Patenting AI and protecting intellectual property – ITPortal](#)
- [On the horizon](#)

Qualifications

- Chartered Patent Attorney
- European Patent Attorney (2014)
- Postgraduate Certificate in Intellectual Property Law, Queen Mary College, University of London
- MEng in Engineering Science, Oxford University
- DPhil in Engineering Science, Oxford University

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