

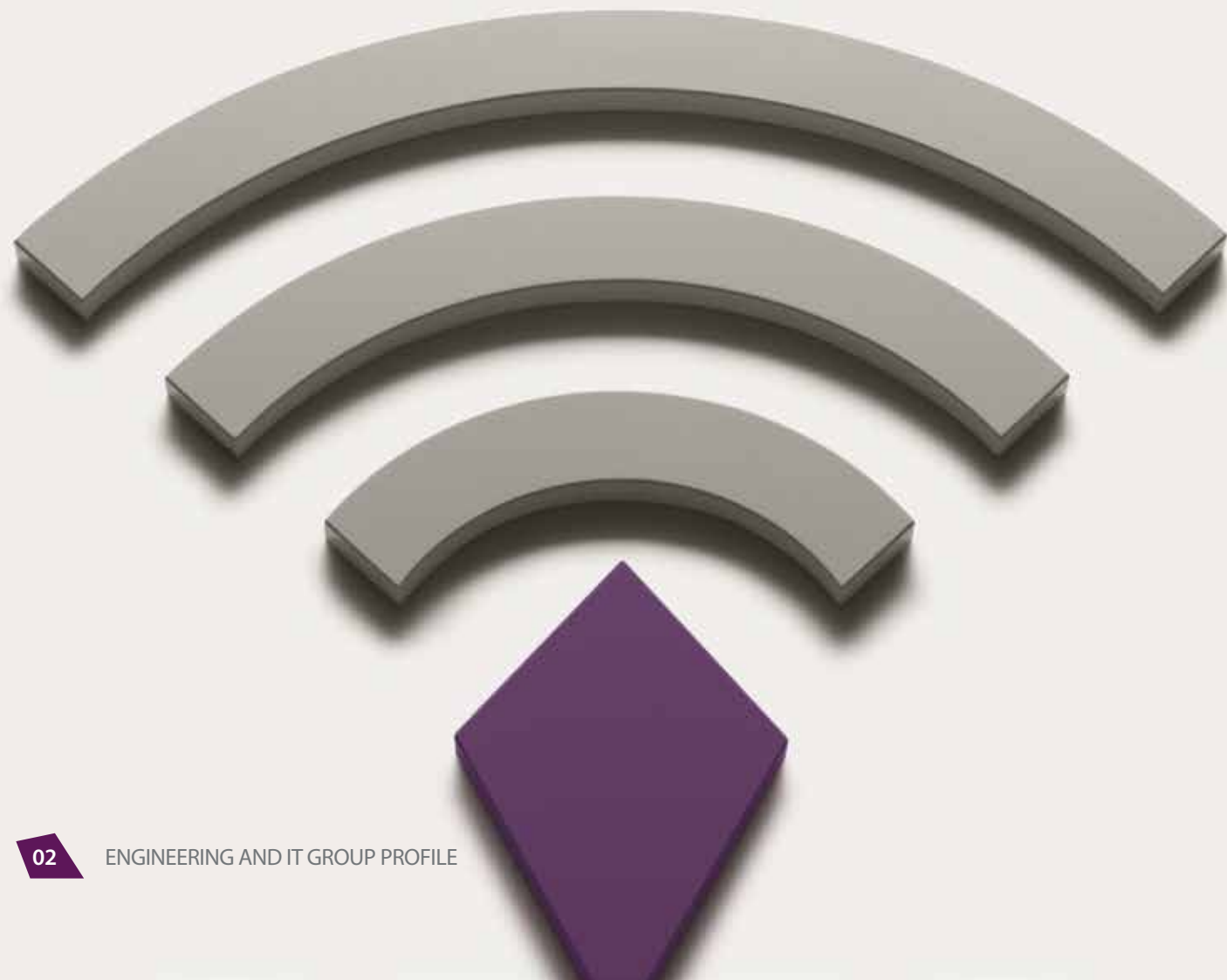
J A ♦ K E M P

## ENGINEERING AND IT

PATENT ATTORNEYS • TRADE MARK ATTORNEYS



INDEPENDENT  
THINKING.  
COLLECTIVE  
EXCELLENCE.



Your intellectual property assets are of great value to you. To help you to secure, protect and exploit them, you need technical experts who are also creative problem solvers. You need a team of specialists working together to pool their knowledge and resources in support of your business goals.

J A Kemp is a leading UK and European Patent and Trade Mark Attorney firm that combines independent thinking with collective excellence.

Attorneys in our Engineering and IT team handle a vast array of inventions. We have the knowledge and expertise to understand and help you to protect your intellectual property in any technology.

We have longstanding client relationships with several leading Japanese consumer products companies, as well as US, Chinese, Korean, European and UK businesses, ranging from technology transfer startups to established, growing enterprises and large corporations.

*"J A Kemp's patent group provides timely and succinct advice and its technical and professional expertise is completely comprehensive."*

*The Legal 500*

Our specialisms of particular relevance to clients operating within the Engineering and IT spectrum include the following areas.

### CLEANTECH

Technology is playing a crucial role in addressing sustainability in many areas, perhaps most obviously in power production, natural resource use and recycling.

Clean technology is becoming an ever more economically important sector and we have attorneys with a wide range of backgrounds who have significant experience in this field, with startups, universities and research institutions and multinational corporations.

We have dealt with inventions in areas as diverse as fuel cells, renewable energy generation (in particular wind and wave energy, solar power and bio-reactors), biofuels, recycling, water treatment and combustion engine management.

We have experience of using the UK-IPO 'Green Channel' to accelerate the examination of UK patent applications relating to clean or green technology.

### ELECTRONICS AND ELECTRICAL TECHNOLOGY

Our team of attorneys has significant experience and understanding of wide ranging aspects of electronics and electrical technology.

In recent years there has been renewed interest in electrical technologies such as power systems, motors, generators, switches, relays, transformers and the like, as well as battery technologies and fuel cells. Our team has a strong grounding in all of these areas.

The field of electronics has developed from the days of discrete components, through the ubiquitous integrated circuit, to the modern trend for incorporation of electronics into many other products. We have attorneys with expertise in both digital and analog electronics, covering mobile radio communication, audio/video processing, telecommunications, broadcast and internet/network television, wireless technology, navigation/satellites, channel coding and encryption/decryption, display technology, electro-mechanical devices and electro-optical devices.

### ENGINEERING

Our large engineering team includes attorneys capable of advising clients across the full spectrum including mechanical, civil, automotive, aeronautical, marine, agricultural, petroleum and chemical engineering.

Our clients include world famous multinational automobile and petrochemical companies, home appliance manufacturers, component suppliers, design and technology companies, packaging specialists, companies involved with mining and construction and hi-tech companies inventing all types of machines, devices, systems and processes.

Our attorneys have degrees, and often PhDs, covering a range of disciplines including mechanical engineering, chemical engineering, manufacturing engineering, physics and materials science.

### IT AND SOFTWARE

Barely any field of technology is immune from the revolution in information technology that has occurred over the last 25 years. Our attorneys have been at the forefront of handling patent applications for clients who produce inventions involving software for signal and imaging processing in industrial and medical applications, software for controlling devices and networks and software in the bioinformatics field.

Software can be found as an embedded system in the most prosaic domestic appliance or automotive component. Informatics software tools are used to analyse results in the chemistry and biochemistry fields. Computer programs control and monitor systems, process audio or video data and run business applications, medical applications, computer games and virtual reality. We are experienced in all of these areas.

### MANUFACTURING

The world of manufacturing is ever evolving, resulting in a continuous improvement of both manufacturing methods and product design.

We have many years of experience in protecting such innovations for clients operating in both high volume and low volume manufacturing sectors.

Strategies for safeguarding innovation in manufacturing include protecting rapid prototyping developments, product features that are designed for manufacture or assembly, process improvements, developments in manufacturing plant and equipment and the 'blue sky' concepts that enable the products of tomorrow. Patents, trade marks and industrial design rights may all require protection.



*"J A Kemp boasts one of the UK's most highly qualified collections of attorneys."*

Managing Intellectual Property

## MATERIALS AND METALLURGY

Our team includes materials scientists, physicists, chemists and manufacturing engineers, and deals with inventions relating to all aspects of the materials cycle and the application of materials.

We handle inventions relating to new materials themselves, such as steel compositions and composites; new extraction methods such as mining and flotation; new processing techniques such as casting, thermomechanical working, and deposition/thin film growth techniques; and new materials applications such as bio-materials, nano-technology, shape memory alloys and superconductors.

Our work covers inventions relating to the whole spectrum of materials from ceramics to metals to polymers to semiconductors, for clients as diverse as medical device manufacturers, universities and other research institutions, steel and superalloy manufacturers and construction material suppliers.

## MEDICAL DEVICES AND TECHNOLOGY

Our attorneys who handle medical device and technology patent applications specialise in this subject matter. Their strong familiarity with the relevant case law and with medical technology itself can make a significant difference to the outcome of patent prosecution.

Our clients in this area range from the smallest of startups to some of the largest global medical technology companies. These clients cover many diverse technology fields such as blood processing, an extremely wide range of intravascular devices, medical imaging and monitoring, spinal devices, surgical instruments and instrumentation.

## OPTICS

Our attorneys have specialist knowledge of this field and are highly competent to handle innovations that impinge on neighbouring areas such as semiconductors and electronics.

We advise clients seeking patent protection in areas such as miniaturisation, improvement of optical qualities and reduction of component count for lens systems in devices such as camera-phones, where size and weight are at a premium and power consumption needs to be minimised. We also handle cases relating to automotive vision, vision-based control systems and systems for reading from media such as Blu-ray discs.

We have experience of many cases in the field of projection systems for semiconductor microlithography, where the size of features being imaged is ever decreasing, pushing the physical limits of lens materials.

## SEMICONDUCTORS

Rapid changes in semiconductor technology make IP protection essential for companies competing in this global market.

We have extensive experience in semiconductor manufacturing processes and equipment in fabs, most especially in photolithography and metrology, as well as in the products themselves. Areas of particular experience include FPGAs, anti-fuses, CCD/CMOS image sensors, surface emitting lasers and packaging. Beyond the microchip industry, we handle patents throughout the semiconductor field including solar cells, laser diodes, LEDs, and TV displays.

Our team includes physicists and materials scientists and we work both for large corporations including camera producers, office equipment suppliers and manufacturers of photovoltaic technology and for hi-tech startups making use of a wide variety of semiconductor applications.

## ABOUT THE FIRM

We are one of the largest UK and European Patent and Trade Mark Attorney firms, with offices in London, Oxford, Cambridge and Munich.

The firm is known for the breadth and depth of its technical knowledge relevant to patents. There are over 60 science and technology graduates in J A Kemp, including at least 25 PhDs, and no area of science or technology is outside its scope.

Our trade marks team is led by senior professionals with backgrounds in major international law firms. The team has the expertise and resources to handle any trade marks matter.

We are equipped to handle contentious intellectual property matters in the UK Courts, the Unified Patent Court and the UK and European Intellectual Property Offices, including the EPO. Our litigation and dispute resolution team combines in-depth knowledge of patents, trade marks and designs with the litigation skills of its solicitors, patent attorneys and an in-house barrister to achieve successful outcomes for our clients.

We handle all aspects of design protection in the UK, Europe and worldwide, and we can advise you in other specialised areas such as plant variety rights.

We work for a large variety of clients, from startups, spinouts and SMEs through to some of the largest corporations and most prestigious academic institutions in the world.

## WHAT WE ARE KNOWN FOR

We commissioned a market research firm to ask 50 of our clients and professional contacts what they thought of J A Kemp. The firm was described as:

*"Highly regarded and respected as a leading player in its field"*

*"Known for quality, reliability, technical excellence and professionalism"*

*"Considered to be responsive, trusted, friendly and approachable"*

*"Known for its particular expertise in complex work"*

*"A firm with a reputation for timeliness and efficiency"*

For specific contacts relevant to the work of the Engineering and IT Group or related specialist areas, please refer to our website.

**PATENT ATTORNEYS • TRADE MARK ATTORNEYS**

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