



Microsaic Systems

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Microsaic Systems strengthens its patent portfolio

Microsaic Systems announces grant of 9 patents protecting its core ionchip® technology.

London, 1st June 2007

Microsaic® Systems (Woking, Surrey, UK), the developer of chip-based detector products, is pleased to announce that 9 new patents have been granted by Patent Offices across international markets.

The newly issued European patents;

EP1540697 Monolithic Micro-engineered Mass Spectrometer

The newly issued US patents;

7,208,729 Monolithic Micro-engineered Mass Spectrometer

6,972,406 Mass Spectrometry

6,924,158 Electrode Structures

The newly issued GB patents;

GB2391694 Monolithic Micro-engineered Mass Spectrometer

GB2409927 Micro-engineered Electron Multiplier

GB2411046 Mass Spectrometer System

GB2384908 Mass Spectrometry

GB2383187 Electrode Structures

The European Patent Office (EPO), US Patent Office (USPTO) and UK Patent Office have all issued key patents to add to Microsaic's existing patent portfolio. These newly issued patents add to Microsaic Systems' core intellectual property (IP) for ionchip® technology in a wide range of applications and markets.

"Microsaic Systems is at the cutting edge of chip-based detection technology. Therefore, protecting our IP, and building up a strong patent portfolio, is central to our strategy. Today, we have a sizeable patent portfolio of 53 patents, of which 20 are granted or are pending grant" said Alan Finlay, CEO of Microsaic Systems. "In addition to our own research and development, we continue to enjoy a close relationship with Imperial College London, a world-class research institution. Our patent portfolio will continue to grow through our recently renewed IP Option Agreement with Imperial College for new MEMS research."

Microsaic Systems manufactures and sells highly deployable detector products capable of quickly and accurately identifying chemical compounds such as explosives, chemical weapons and drugs. Microsaic's detectors are based on its core ionchip technology,

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the world's first chip-based mass spectrometer, and are many times smaller and consume far less power than comparable laboratory-scale mass spectrometer instruments.

About Microsaic Systems

Microsaic Systems is a rapidly growing UK company developing next generation systems capable of identifying trace compounds such as explosives, chemical weapons and narcotics. Mass spectrometers are sophisticated systems used in everything from explosives detection to drug discovery. Today's mass spectrometers are large, heavy and expensive. Microsaic's breakthrough ionchip® technology integrates the mass spectrometer onto a single silicon chip leading to massive size, cost and reliability advantages. Portable and laboratory systems are available from Microsaic for a variety of applications including the analysis of petrochemicals, pollutants, chemical & biological warfare agents, explosives and narcotics. Microsaic partners with customers to deliver products incorporating ionchip® technology.

Microsaic was formed in 2001 with technology developed at Imperial College London, the UK's leading technical university. Microsaic owns 53 patents, of which 20 are granted, or are pending grant. Based in Woking, Surrey (UK), Microsaic's headquarters are within 30 minutes of London, and Gatwick and Heathrow Airports.

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