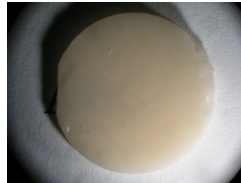


Fluorcanasite glass ceramic for dentistry

Competitor material



- Leading aesthetic quality
- Requires treatment after machining
- Requires processing with toxic and corrosive reagents

Fluorcanasite S82



- **Superior aesthetic quality**
- **Machined in final state**
- **No toxic chemical processing**
- **Resistant to thermal shock in use**

The Technology

The dental market is well positioned to expand quickly over the next 30 years with 2 key underlying trends set to drive growth:

- an ageing and relatively wealthy population in the advanced economies
- rapid growth of a new middle-class in the emerging economies that will yield at least one billion new dental patients

Within the dental market sector, indirect dental restorations are a large and growing market, with over 20 million dental restorations carried out in the US per year and in the UK in 1998, over 55% of dentate adults had at least one decayed or unsound tooth.

Researchers at the University of Sheffield have developed a novel, fully-synthetic fluorcanasite material with class-leading properties and that is inexpensive to produce. Our material, Fluorcanasite S82, is stronger than currently available materials, has higher fracture toughness, has class leading aesthetic properties and is designed to be machinable with all common CAD/CAM systems. The pictures above illustrate Fluorcanasite's strikingly more similar appearance to a real tooth than competitor products, as shown in the figures above. We are currently undertaking work to ensure regulatory compliance for the material and are making rapid progress towards compiling a data file suitable for applying for CE marking/FDA approval.

Intellectual Property

We have filed a patent application on the material covering its use in numerous dental applications.

The Opportunity

We are currently seeking a licensee for this technology, in order to bring this product to the marketplace and realise its commercial potential.

Please contact Andrew Tingey, quoting reference 27044.

FUSION IP LICENSING

is a specialist company that identifies, develops and licences world class university IP to commercial companies and research organisations.

Fusion IP Licensing is wholly owned by Fusion IP plc, an AIM listed company which owns the rights to 100% of the university-owned research generated at two of the UK's leading universities – The University of Sheffield and Cardiff University

FOR MORE INFORMATION CONTACT:

Dr. Andrew Tingey

andrewtingey@fusionip.co.uk

+44(0) 114 275 5569

The Sheffield Bioincubator

40 Leavygreave Road

Sheffield

S3 7RD