TECHNOLOGY

High Frequency Sampling SQUID Microscope

OVERVIEW

The current room temperature SQUID microscope has a bandwidth to a few hundred KHz. However, the bandwidth of the SQUID itself is much greater. The limitation has to do with bandwidth of the current electronics. This invention proposes electronics that will increase the bandwidth of the electronics to the GHz range.

This is important because one of the commercial applications of the current device is the fault detection in semi conductors now operating in the GHz range.

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Additional Information

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PATENT STATUS

Patent(s) pending

LICENSE STATUS

Contact OTC for licensing information

CATEGORIES

- Nanotechnology + Nanoparticles + Nanomaterials
- Imaging devices

EXTERNAL RESOURCES

- US Patent 7,106,057

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