



X-Ray Imaging Device Providing Enhanced Spatial Resolution By Energy Encoding

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The Invention

A high-resolution x-ray imaging system encodes spatial information into x-ray energy by an encoding filter which changes the x-ray energy sensitivity of each detector at different portions of the detector. Acquiring successive images at different energies allows the fluence at different portions of a single detector to be isolated providing effective sub detector resolution.

Additional Information

For More Information About the Inventors

- [Timothy Szczykutowicz](#)

Tech Fields

- [Medical Imaging : X-ray.](#)

For current licensing status, please contact Jeanine Burmania at jeanine@warf.org or 608-960-9846