

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

### View U.S. Patent No. 11,071,506 in PDF format.

#### WARF: P200221US01

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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

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