

System And Method For Spectral Computed Tomography Using Single Polychromatic X-**Ray Spectrum Acquisition**

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The Invention

A system and method for material decomposition of a single energy spectrum x-ray dataset includes accessing the single energy spectrum x-ray dataset, receiving a userselection of a desired energy for decomposition, and decomposing the single energy spectrum xray dataset into material bases as a linear combination of energy dependence function of selected basis materials and the corresponding spatial dependence material bases images.

Additional Information

For More Information About the Inventors

• Guang-Hong Chen

Tech Fields

• Medical Imaging : CT

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

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