



SYSTEM AND METHOD FOR DIFFUSION MAPPING USING PHASEMODULATED MAGNETIC RESONANCE IMAGING

[View U.S. Patent No. 11,874,358 in PDF format.](#)

WARF: P220163US01

Inventors: Daiki Tamada, Scott Reeder

The Invention

UW Researchers have developed a novel MRI diffusion mapping method using phase-based diffusion mapping (PBD.) The technique provides a novel way to measure the apparent diffusion coefficient (ADC) of tissue by encoding diffusion weighting into the phase of RF-phase modulated GRE signal. The method enables diffusion measurement with smaller gradient amplitude compared to the conventional diffusion-weighted imaging.

Additional Information

For More Information About the Inventors

- [Scott Reeder](#)

Tech Fields

- [Medical Imaging : MRI](#)

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