

## SYSTEM AND METHOD FOR DIFFUSION MAPPING USING PHASEMODULATED MAGNETIC RESONANCE IMAGING

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## 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 RFphase 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
  - <u>Scott Reeder</u>

## **Tech Fields**

• Medical Imaging : MRI

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

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