Docket #: S06-483

MRI - k-t Sparse: High frame-rate dynamic MRI exploiting spatio-temporal sparsity

A method of dynamic resonance imaging is provided. A magnetic resonance imaging excitation is applied. Data in 2 or 3 spatial frequency dimensions, and time is acquired, where an acquisition order in at least one spatial frequency dimension and the time dimension are in a pseudo-random order. The pseudo-random order and enforced sparsity constraints are used to reconstruct a time series of dynamic magnetic resonance images.

Patents

- Published Application: 20080197842
- Issued: 7,602,183 (USA)

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