

**Docket #:** S07-080

# **MRI - <sup>1</sup>H MRSI at 7T using an interleaved narrow-band PRESS sequence with spatial-spectral adiabatic refocusing pulses**

A method for performing spectroscopy using an interleaved readout for at least two species. A B<sub>0</sub> field is applied. A first spatial-spectral (SPSP) position resolved spectroscopy sequence (PRESS) excitation with a sufficiently narrow band to excite a first species without exciting a second species is applied. A first readout that measures the first species is performed. A second SPSP PRESS excitation with a sufficiently narrow band to excite the second species without exciting the first species is applied. A second readout that measures the second species is performed.

## **Patents**

- Published Application: [20090137897](#)
- Issued: [7,966,053 \(USA\)](#)

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