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the spatially selective read pulses, spatially selective storage pulses, and spatially selective phase pulses.

28. The method of claim **1**, wherein pulsing the radio frequency further comprises applying a magnetic gradient parallel to the rotational axis during the spatially selective read pulses. 5

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29. The method of claim **1**, wherein pulsing the radio frequency further comprises applying a magnetic gradient parallel to the rotational axis during the spatially selective phase pulses.

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