

Title (en)

IMAGING METHOD BASED ON FRACTAL SURFACE-FILLING OR SPACE-FILLING CURVES

Title (de)

BILDGEBUNGSVERFAHREN BASIEREND AUF SELBSTÄHNLICHEN FLÄCHEN - ODER RAUMFÜLLENDE KURVEN

Title (fr)

PROCEDE D'IMAGERIE BASE SUR DES COURBES FRACTALES DE REMPLISSAGE DE SURFACES OU D'ESPACES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005073748A1] The invention concerns an imaging method for use in nuclear magnetic resonance during which a constant static magnetic field acts upon a sample. An additional field is superimposed upon this static magnetic field. This additional field has, in at least one grating surface inside the sample volume, different field strength values at each point of the grating surface. The sample is excited by a high-frequency, electromagnetic alternating field, and the electromagnetic radiation radiated from the excited sample is extracted and evaluated for generating images. The invention also concerns an NMR imaging method during which the signal is extracted along a fractal, space-filling trajectory described by a Hilbert curve.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2005073748A1

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