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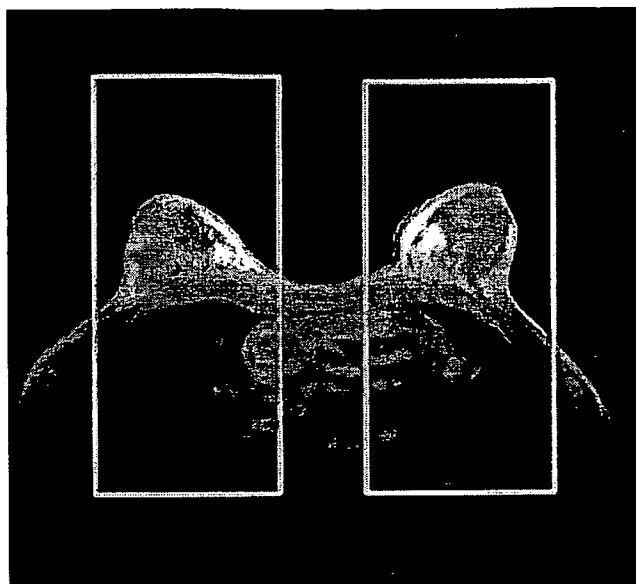
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(54) Title: **RAPID 3-DIMENSIONAL BILATERAL BREAST MR IMAGING**



(57) Abstract: Provided is a method for rapid, 3D, dynamic, projection reconstruction bilateral breast imaging using simultaneous multi-slab volume excitation and radial acquisition of a contrast enhanced bilateral image, in conjunction with SENSE processing, using *k*-Space Weighted Image Contrast ("KWIC") filtering and multi-coil arrays for signal separation in an interleaved bilateral MR bilateral breast scan that uses conventional Cartesian sampling without parallel imaging. Software was developed for the reconstruction, modeling contrast kinetics using a heuristic model, display by parametric mapping and viewer/analysis of the multidimensional, high frame-rate bilateral breast images.

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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 600/410,420,422 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	US 6,919,722 B2 (ANGELOS et al) 19 July 2005, see abstract	1,8,9		
A	US 5,363,845 A (CHOWDHURY et al) 15 November 1994, see entire document	1,8,9		
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.				
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