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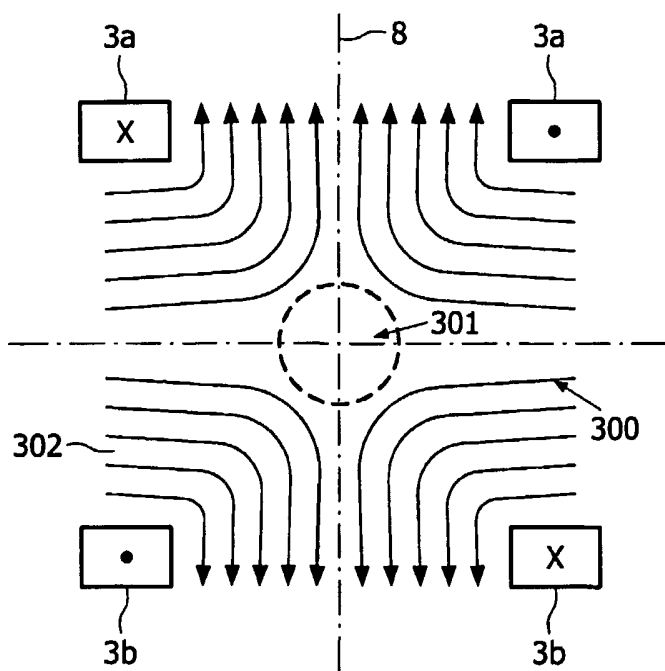
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(54) Title: METHOD OF DETERMINING A SPATIAL DISTRIBUTION OF MAGNETIC PARTICLES



(57) Abstract: The invention relates to a method of determining a spatial distribution of magnetic particles in an examination zone, in which method a first magnetic field is generated, which forms in the examination zone a first sub-zone having a relatively low magnetic field strength and a second sub-zone having a relatively high magnetic field strength. The position in space of the two sub-zones is then changed by a second magnetic field, whereby the magnetization in the examination zone is changed. Signals dependent on the change in magnetization are acquired and evaluated to extract information concerning the spatial distribution of the magnetic particles. The second magnetic field is generated so that the time derivative of the second magnetic field is substantially identical for each spatial component.



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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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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 practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2004/018039 A (PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH; KONINKLIJKE PHILIPS EL) 4 March 2004 (2004-03-04) abstract; figures 1-4e page 7, lines 9-12 page 11, lines 12-28	1-12
A	DE 101 51 778 A1 (PHILIPS CORPORATE INTELLECTUAL PROPERTY GMBH) 8 May 2003 (2003-05-08) cited in the application abstract; figures 1-4b,6a-d,7 paragraphs '0054! - '0063!; claims 1,2 ----- -/--	1-12

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	B. GLEICH AND J. WEIZENECKER: "Tomographic imaging using the nonlinear response of magnetic particles" NATURE, vol. 435, no. 7046, 30 June 2005 (2005-06-30), pages 1214-1217, XP002368326 the whole document -----	1-12
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