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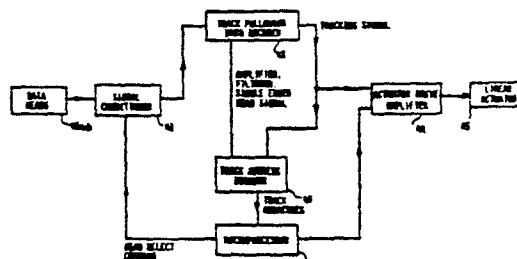
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(54) Apparatus for controlling the movement of the data head in a moving-head data recording system.

57) Two servoing functions, both operating from the data reading, and recording transducer, are performed in a high performance moving-head disc drive. One servo rapidly moves the head from its current track to any other track utilizing absolute track identifying addresses recorded in the inter-sector gap between data sectors. Once located on a track, the other servo maintains head location precisely over the center of that track while data is being read or recorded employing track following information also recorded in the inter-sector gap. The resolution of transducer location is enhanced by secondary use of the track following information.



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Application number

EP 78 10 0748

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	<u>US - A - 4 027 338</u> (BURROUGHS) * Figures 1-10; from column 3, line 58 to column 15, line 38 *	1-6	G 11 B 5/58 5/55 G 05 D 3/00
X	<u>US - A - 3 812 533</u> (VERMONT RESEARCH CORPORATION) * Figures 1-5; from column 2, line 65 to column 11, line 6 *	1-5	
	<u>US - A - 3 593 333</u> (IBM) * Figures 1-4; from column 2, line 40 to column 6, line 7 *	1-5	TECHNICAL FIELDS SEARCHED (Int.Cl.) G 11 B 5/58 5/55
	<u>US - A - 3 691 543</u> (IBM) * Figures 1-12; from column 3, line 6 to column 6, line 41 *	1-2	
A	<u>DE - A - 2 657 642</u> (IBM) * Figures 1-3; from page 4, line 14 to page 13, line 8 *	1-3	CATEGORY OF CITED DOCUMENTS
A	<u>DE - A - 2 657 266</u> (IBM) * Figures 1-12; from page 5, line 17 to page 28, line 12 *	1-3	X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
A	<u>US - A - 3 838 457</u> (IBM) * Figures 1-10; from column 4, line 4 to column 8, line 44 *	1-3	
The present search report has been drawn up for all claims			&: member of the same patent family, corresponding document
Place of search	Date of completion of the search	Examiner	
The Hague	07-12-1978	CARTRIJSE	



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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	IBM TECHNICAL DISCLOSURE BULLETIN, vol. 10, no. 6, November 1967, New York, WILFORD et al: "Disk surface digital addressing", page 783. —	1	
E	DE - A - 2 808 404 (PHILIPS) * Figures 1-13; from page 17, line 9 to page 38, line 6 * & FR - A - 2 383 496 —	1-5	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)