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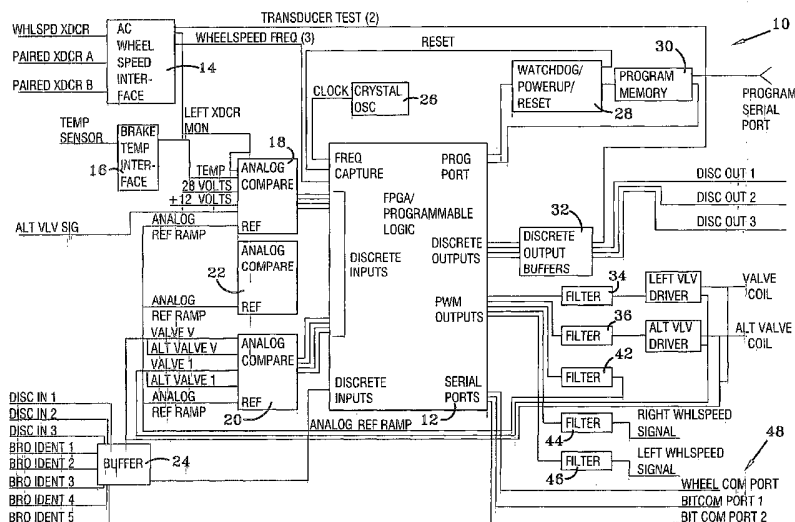
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(54) Title: FIELD PROGRAMMABLE BRAKE CONTROL SYSTEM



(57) Abstract: A brake control system (10) for a wheeled vehicle includes a field programmable gate array (12) configured to perform the algorithm of brake control subsystems in a typical brake control system for a wheeled vehicle. The brake control subsystems typically include anti-skid control, brake temperature monitoring, built-in tests, and, in the case of an aircraft, nose wheel steering. The system also includes wheel speed sensors (14), brake temperature monitors (16), brake valves and associated control circuits, and brake valve monitors (20) respecting brake valve current and voltage. The use of field programmable gate arrays to configure a brake control system avoids the obsolescence and shortened life of control systems previously dependent upon microprocessors and the like.

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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 5,581,464 A (WOLL) 03 December 1996 (03.12.96) See entire document			
A	US 5,465,079 A (BOUCHARD) 07 November 1995 (07.11.95) See entire document			
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.				
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