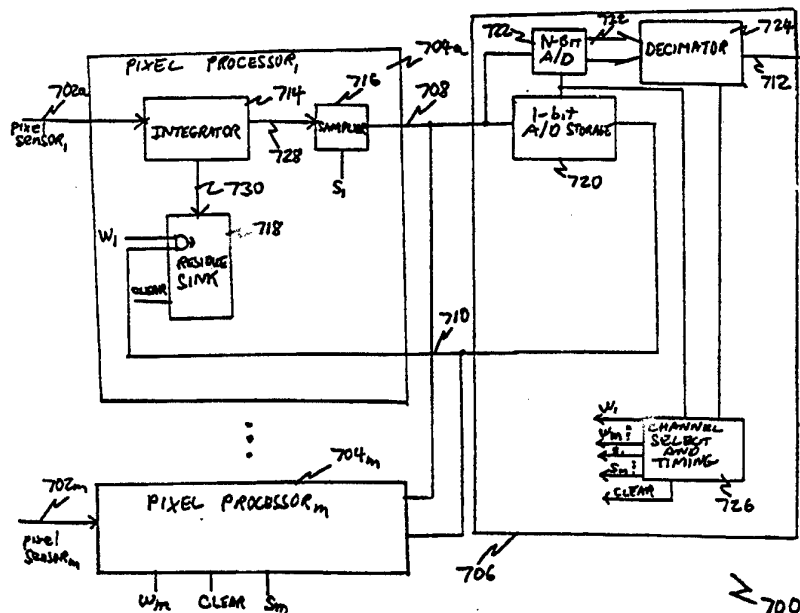




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<p>(21) International Application Number: PCT/US96/07946 (22) International Filing Date: 3 June 1996 (03.06.96)  (30) Priority Data: 08/480,130 7 June 1995 (07.06.95) US  (71) Applicant: MANDL, William, J. [US/US]; 8303 Faust Street, West Hills, CA 91304 (US).  (74) Agent: FREILICH, Arthur; Freilich, Hornbaker &amp; Rosen, Suite 1434, 10960 Wilshire Boulevard, Los Angeles, CA 90024 (US).</p>	<p>(81) Design States: AL, AM, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IS, JP, KG, KP, KR, LK, LR, LT, LV, ME, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), European patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 13 February 1997 (13.02.97)</p>	

(54) Title: METHOD AND APPARATUS FOR MULTIPLEXED OVERSAMPLED ANALOG TO DIGITAL MODULATION



(57) Abstract

Apparatus for time multiplexed oversampled analog to digital modulation (700) is provided. Embodiments generally include a plurality of energy collection elements (702a and 702m) coupled to individual pixel processors (704a and 704m) preferably mounted proximate to each energy collection element. Each pixel processor shares a common block of conversion logic (720, 722-724) to form a plurality of integration loops to process the signal generated by each energy collection element. Specific embodiments are shown using CCD, CID, FET and charge well technologies.

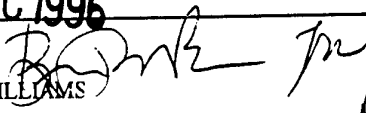
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# INTERNATIONAL SEARCH REPORT

International application No.  
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<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC(6) :H03M 3/00 US CL :341/143 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 341/143, 141, 157, 161, 162, 163, 164, 165, 166, 172		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,704,600 A (UCHIMURA et al) 03 NOVEMBER 1987,	7
A	US 4,353,057 A (Bernet et al) 05 OCTOBER 1982	1
A	US 5,142,286 A (Ribner et al) 25 AUGUST 1992	1
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