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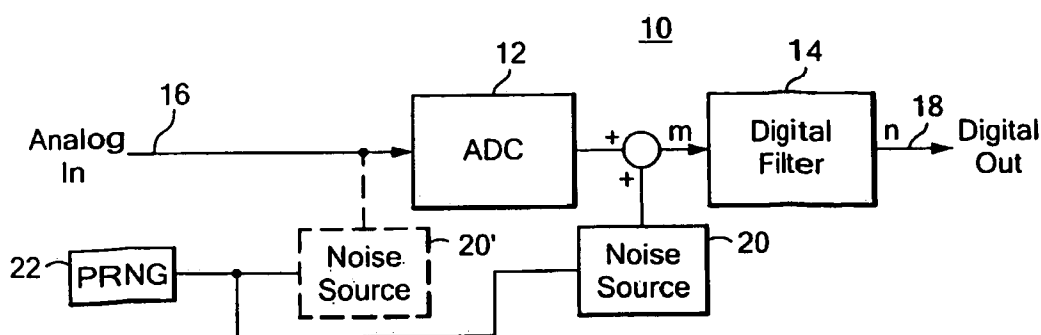
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(54) Title: NO-MISSING-CODE ANALOG TO DIGITAL CONVERTER SYSTEM AND METHOD



(57) Abstract: A no-missing-code output from a SAR, pipeline, folding, flash analog to digital conversion can be obtained by providing an analog input to an analog to digital converter having a predetermined m bit resolution output and a predetermined missing code capability and generating in a digital filter from the m bit output and the dither of the random noise components of the m_bit output n bit output and greater than the predetermined missing code capability of the analog to digital converter.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/06783

A. CLASSIFICATION OF SUBJECT MATTER

IPC: H03M 1/38(2006.01)

USPC: 341/161,131

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 341/161, 131

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)

Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2204458 A (GAPPER)	1, 3, 4, 5-7, 8 9-14, 16, 18, 19, 20-27
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Y		2, 17
Y	US 4,982,193 A (SAUL) 01 January 1991, (col. 3, lines 34-35) (fig. 4)	1, 15
A	JP 2003-283822A (ARISAKA) 10 March 2003, entire document	1-27
A	US 6,064,328 A (SCHEIDIG et al) 16 May 2000, entire document	1-27
A	US 5,305,005 A (NAKAGAWA et al) 19 April 1994, see entire document	1-27
A	US 5,525,984 A (BUNKER) 11 June 1996, see entire document	1-27

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

☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

EAST

USPAT; USPGPUB; JPO; EPO; DERWENT