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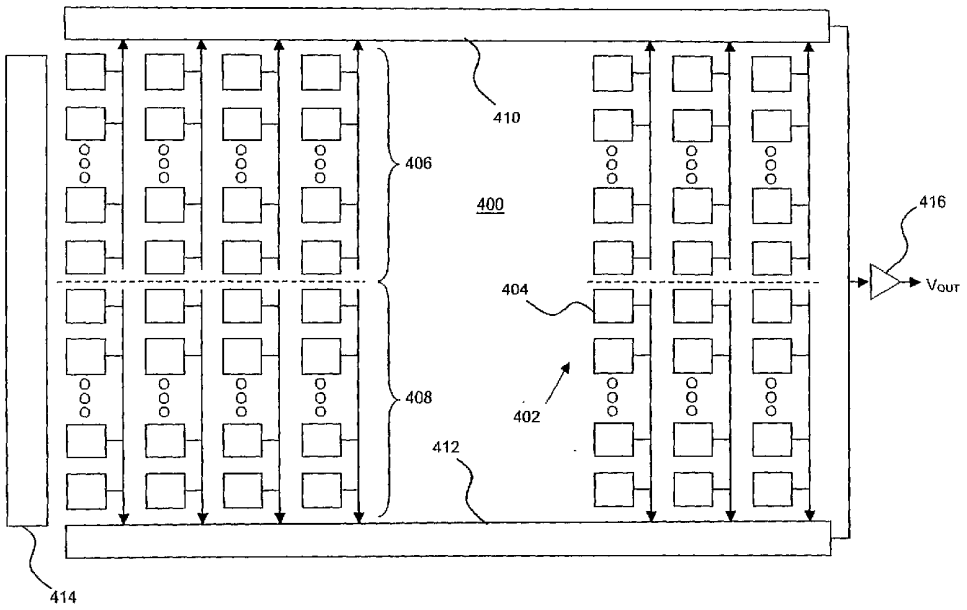
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(54) **Title:** NOISE FLOOR REDUCTION IN IMAGE SENSORS



(57) **Abstract:** An image sensor array (FIG.4) including a first plurality of unit cells (406) coupled to a first sense amplifier (410), and a second plurality of unit cells (408) coupled to a second sense amplifier (412), where the first plurality and the second plurality are substantially electrically isolated from each other.

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04N 3/14
US CL : 348/294, 300, 302
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. : 348/294, 300, 302, 303, 304, 306, 307, 308

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	US 5,291,294 A (HIROTA) 01 March 1994, entire document.	1-5,7,12-16 --- 6,8-11
X	US 5,969,759 A (MORIMOTO) 19 October 1999, entire document.	1-16
X	US 6,115,065 A (YADID-PECHT et al) 05 September 2000, entire document.	1-16
X	US 5,060,245 A (NELSON) 22 October 1991, entire document.	1-16
X	US 5,396,091 A (KOBAYASHI et al) 07 March 1995, entire document.	1-16

[X] 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	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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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.
X	US 5,650,352 A (KAMASZ et al) 22 July 1997, entire document.	1-16
X,P	US 6,300,977 B1 (WAECHTER et al) 09 October 2001, entire document.	1-16
X	US 5,742,659 A (ATAC et al) 21 April 1998, entire document.	1-16