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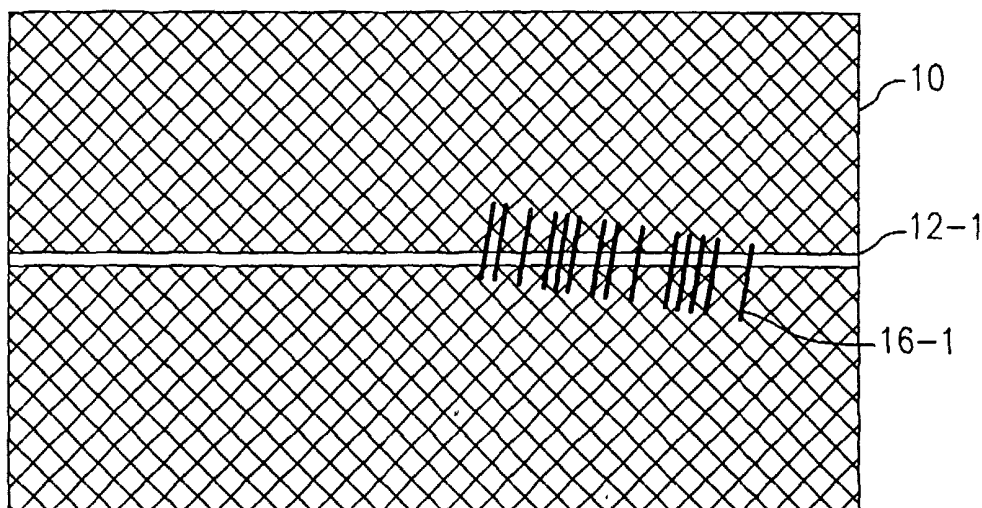
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[Continued on next page]

(54) Title: OPTICAL READER HAVING PARTIAL FRAME OPERATING MODE



(57) Abstract: The invention is an optical reader having a 2D image sensor that is configured to operate in a partial frame capture mode. In a partial frame operating mode, the reader clocks out and captures at least one partial frame of image data having image data corresponding to less than all of the pixels of an image sensor pixel array. In one embodiment, the reader operating in a partial frame operating mode captures image data corresponding to a linear pattern of pixels of the image sensor, reads the image data, attempts to decode for a decodable 1D symbol which may be represented in the image data, and captures a full frame of image data if the image data reading reveals a 2D symbol is likely to be present in a full field of view of the 2D image sensor.



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B. FIELDS SEARCHED

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 93 18478 A (NORAND CORP) 16 September 1993 (1993-09-16) page 5, line 32 - line 35 page 6, line 36 -page 7, line 20 ---	1,10,30, 33
X	US 5 710 417 A (HE DUANFENG ET AL) 20 January 1998 (1998-01-20) column 6, line 36 - line 45 ---	33
A	US 5 984 186 A (TAFOYA BENNY R) 16 November 1999 (1999-11-16) column 3, line 38 - line 52; figures 3,4 ---	2-5, 12-15
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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