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[Continued on next page]

(54) Title: COLOR FILTER ARRAY PATTERN HAVING FOUR-CHANNELS

G	P	G	P
P	R	P	P
G	P	G	P
P	P	P	B

FIG. 3

(57) Abstract: An image sensor for capturing a color image comprising a two dimensional array of light-sensitive pixels including panchromatic pixels and color pixels having at least three different color responses, the pixels being arranged in a rectangular minimal repeating unit having at least eight pixels and having at least two rows and two columns, wherein for a first color response, the color pixels having the first color response alternate with panchromatic pixels in at least two directions, and for each of the other color responses there is at least one row, column or diagonal of the repeating pattern that only has color pixels of the given color response and panchromatic pixels.

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/024931 A1 (COMPTON JOHN T [US] ET AL) 1 February 2007 (2007-02-01) * abstract paragraph [0003] - paragraph [0007] figures 8A,9,12A	1-10
A	----- US 3 971 065 A (BAYER BRYCE E) 20 July 1976 (1976-07-20) the whole document -----	1-10
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
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