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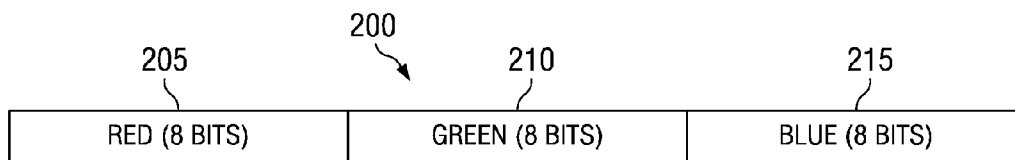
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
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(54) Title: METHOD AND APPARATUS FOR SPATIAL AND TEMPORAL DITHERING



(57) Abstract: An apparatus and method for spatially and temporally dithering pixels. A pixel (200) comprising at least one color component (205, 210, 215) of a first size is provided. A dither addend is determined based on the display position of the pixel. The dither addend is added to the color component, and the color component is rounded to a second size. In one embodiment, a first frame may be provided for displaying the first pixel, the dither addend corresponding to the first frame. One or more additional frames for displaying the first pixel are provided, and one or more additional dither addends corresponding to the first pixel in the additional frames may be determined. The dither addend is different from the additional dither addends, and the additional dither addends are different from each other.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **G09G 5/02(2006.01)**

USPC: **345/596,597,598,599**
 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. : 345/596,597,598,599

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	EP 0994457 A2 (SHIGEHIRO et al.) 19 April 2000 (04.19.2000), [0007-0013], [0047-0049], [0049], [0085], [0089]; Figures 1-7, 10	1-3 ----- 4, 5, 10
Y	US 2007/0021579 (BAE CHEON-HO et al.) 27 January 2005 (01.27.2005), [0009], [0011-0024]	6, 8, 10

Further documents are listed in the continuation of Box C. See patent family annex.

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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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