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(54) Title: MODULATION OF BACKGROUND SUBSTITUTION BASED ON CAMERA ATTITUDE AND MOTION

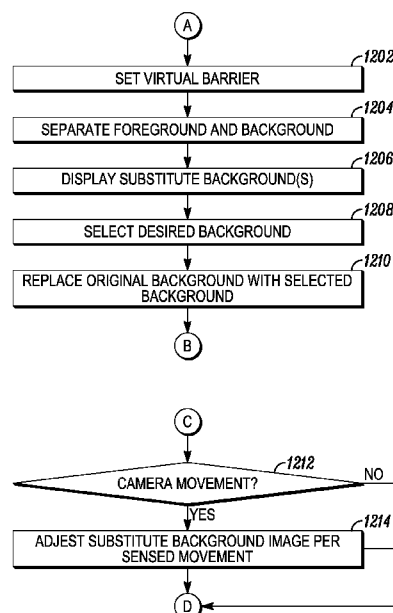


FIG. 12

(57) **Abstract:** A device and method of background substitution are disclosed. One or more cameras in a mobile device obtain a depth image. A processor in or external to the device segments the foreground from the background of the image. The original background is removed and a stored background image or video is substituted in place of the original background. The substituted background is altered dependent on the attitude and motion of the device, which is sensed by one or more sensors in the device. A portion of the stored background selected as the substitute background varies in correspondence with the device movement.



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PCT/US2009/047079**A. CLASSIFICATION OF SUBJECT MATTER****G06T 5/00(2006.01)i, H04N 5/225(2006.01)i**

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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 practicable, search terms used)

eKOMPASS, SEARCH TERMS: DEPTH IMAGE, FOREGROUND, BACKGROUND, MOVEMENT, and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2006-146846 A (KDDI CO., LTD.), 08 June 2006 See abstract, paragraphs<7>-<45>	1, 8-9, 11, 13, 18
A		2-7, 10, 12, 14-17, 19-20
A	US 2006-0268008 A1 (MASANORI IDESAWA et al.), 30 November 2006 See abstract, paragraphs[0056]-[0059]	1-20
A	JP 2006-128754 A (MATSUSHITA ELECTRIC IND. CO., LTD.), 18 May 2006 See abstract	1-20



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		KR 10-0819618 B1	04.04.2008
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