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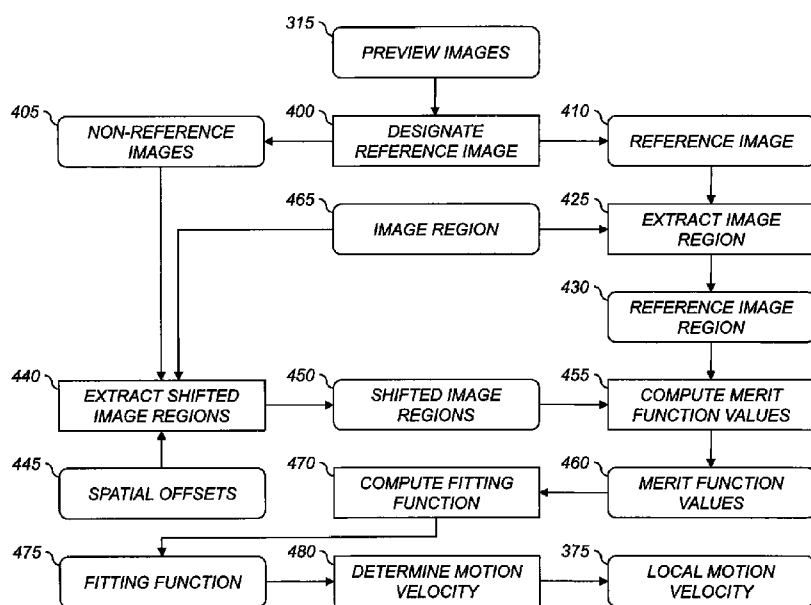
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(54) Title: ESTIMATING SUBJECT MOTION BETWEEN IMAGE FRAMES

**FIG. 6**

(57) **Abstract:** A method for determining a motion estimate, comprising: capturing at least two digital images of a scene at different capture times; designating one of the digital images as a reference digital image; designating a plurality of image regions; determining motion estimates for each image region by shifting the image regions within the non-reference digital images according to each of a plurality of spatial offsets relative to the image region within the reference digital image, computing merit function values for each spatial offset providing an indication of a difference between the image region in the reference digital image and the shifted image regions, computing a fitting function that provides an estimated merit function value as a function of spatial offset; and determining the motion estimate responsive to the determined non-integer spatial offset. A combined motion estimate is determined using weighting coefficients determined responsive to the shapes of the fitting functions.

INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER

INV. H04N5/232

ADD.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04N

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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2010/208087 A1 (OGAWA NOBUHIRO [JP]) 19 August 2010 (2010-08-19)	25,26
A	paragraph [0048] - paragraph [0051] paragraph [0058] - paragraph [0062] paragraph [0281] figure 5A	1-24
X	US 2007/092244 A1 (PERTSEL SHIMON [US] ET AL) 26 April 2007 (2007-04-26)	25,26
A	paragraph [0040] - paragraph [0042] figures 4, 5A-5D	1-24
A	US 2007/248330 A1 (PILLMAN BRUCE H [US] ET AL) 25 October 2007 (2007-10-25) paragraph [0100] - paragraph [0112] paragraph [0141] figures 14-17A,17B	1,25
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☒ See patent family annex.

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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.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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