Title: ADAPTIVE AREA OF INFLUENCE FILTER

(57) Abstract: A method of generating an adaptive temporal filter is performed by constructing a motion vector area cell around each of a plurality of motion vectors in a target image, selecting a pixel in the target image, constructing a pixel area cell around the selected pixel, determining an overlap area between the motion vector area cells and the pixel area cell, generating filter weights from the overlap area, and using the filter weights to filter the selected pixel.
Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the “Guidance Notes on Codes and Abbreviations” appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report: 5 July 2007
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - H04B 1/66 (2007.01)
USPC - 375/240.01
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)
IPC(8) - H04B 1/66 (2007.01)
USPC - 375/240.01

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)
Micro Patent; IEEE Explore

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>WO 00/16563 A1 (CHUANG et al) 23 March 2000 (23.03.2000) see whole document</td>
<td>1-4, 7-13, 18-22 and 25-27</td>
</tr>
<tr>
<td>Y</td>
<td>US 6,591,016 B1 (YASUNARI et al) 8 July 2003 (08.07.2003) see whole document</td>
<td>5-6, 14-15, 23 and 24</td>
</tr>
<tr>
<td>A</td>
<td>US 6,208,682 B1 (SONG et al) 27 March 2001 (27.03.2001) see whole document</td>
<td>5-6, 14-15, 23 and 24</td>
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<td>A</td>
<td>WO 2004/047454 A1 (YAMAGUCHI et al.) 3 June 2004 (03.06.2004) see Abstract</td>
<td>1-27</td>
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</tbody>
</table>

Further documents are listed in the continuation of Box C.

Date of the actual completion of the international search
22 January 2007

Name and mailing address of the ISA/US
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