Title (en)
METHOD FOR RECOGNIZING OBJECTS IN DIGITIZED IMAGES

Title (de)
VERFAHREN ZUM ERKENNEN VON OBJEKTEN IN DIGITALISIERTEN ABBILDUNGEN

Title (fr)
PROCEDE DE RECONNAISSANCE D'OBJETS DANS DES IMAGES NUMERISEES

Publication
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Application
EP 99945979 A 19990813

Priority
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Abstract (en)
[origin: DE19837004C1] The inventive method comprises the following steps: (a) providing at least one reference graph comprised of reference images, whereby the or each reference graph provides a net-like structure which is defined each time in that reference image nodes, said nodes being connected to one another by links in a predetermined manner, are appointed to certain reference image data, and of jets, whereby one jet is assigned to each node and each jet comprises at least one partial jet. Said partial jet is determined by convolutions of at least one class of filter functions with different quantities and/or orientations by means of the reference image data, or is determined by convolutions of at least one class of filter functions with different quantities and/or orientations by means of color-segmented reference image data, or is determined by color information with regard to the reference image data, or is determined by means of texture descriptions of the corresponding reference image, or is determined by means of movement vectors at the appointed node; (b) determining an optimal image graph from the digitized image data for each reference graph, whereby the optimal image graph for an appointed reference graph represents the optimal adaptation to the same, and; (c) assigning the or each structure to the reference image corresponding to the reference graph for which the graph comparison function is optimal with regard to the optimal image graph that is determined for said reference graph.

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G06K 9/80

IPC 8 full level
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CPC (source: EP US)
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