

Abstract

A method for correlating at least part of a candidate image (I_{can}) with at least one reference image, comprising the following steps:

- a) implementing a relational repository (R) comprising at least: an ordered list of relational descriptors (Desc1, Desc2, Desc3, ..., DescN), at least one computing mode to be applied to the images in order to determine descriptors of these images, and a mode for determining the degree of similarity between two descriptors,
- b) implementing, for each reference image, a reference list (L1, L2,..., L_k) that comprises the positions, referred to as reference points of interest, in the reference image, of descriptors of the reference image that are similar to relational descriptors from a relational repository compatible with the relational repository implemented in step a), which reference list is ordered on the basis of the order of this compatible relational repository,
- c) determining, in the candidate image, descriptors of the candidate image that are computed in line with each descriptor computing mode of the relational repository implemented in step a), and determining the position of each of these descriptors in the candidate image,
- d) determining the degree of similarity, determined in line with the determination mode of the relational repository implemented in step a), between each descriptor of the candidate image and each relational descriptor of the relational repository implemented in step a),
- e) determining a candidate list that comprises the positions, referred to as candidate points of interest, in the candidate image, of the descriptors of the candidate image exhibiting the greatest similarity with the relational descriptors of the relational repository implemented in step a), which candidate list is ordered on the basis of the order of this relational repository,
- f) processing the candidate list with respect to each reference list on the basis of the order of the candidate and reference lists.

Figure for the abstract: Fig. 2