

Title (en)

Apparatus for using a plurality of facial images from different viewpoints to generate a facial image from a new viewpoint, method thereof, apparatus and storage medium

Title (de)

Gerät zum Verwenden mehrerer Gesichtsbilder aus verschiedenen Blickpunkten um ein Gesichtsbild aus einem neuen Blickpunkt zu erzeugen, dessen Verfahren, Method thereof, Gerät und Speichermedium

Title (fr)

Appareil utilisant plusieurs images faciales de différents points de vue pour générer une image faciale à partir d'un nouveau point de vue, méthode correspondante, appareil et support d'enregistrement

Publication

EP 1063614 A8 20010314 (EN)

Application

EP 00305266 A 20000621

Priority

JP 17601199 A 19990622

Abstract (en)

[origin: EP1063614A2] Seed matches are found between a plurality of images of a common object. The present invention simplifies the implementation of the morphing process. The present invention is a seed finding unit comprising a feature point detection unit for detecting feature points from said plurality of images; a correlation calculating unit for calculating the correlation between the feature points in said plurality of images and for calculating combinations of said feature points; a matching unit for removing combinations of said feature points that have low probability based on the condition of an image seen from a plurality of viewpoints; a camera orientation determining unit for determining the position of said plurality of viewpoints and the direction of viewing rays; a match propagation unit for selecting those combinations of said feature points that are geometrically and statistically highly reliable under the geometrical constraints of the viewing rays, and for adjusting the analysis range of the images of said object. By using the constraints of the viewpoint position and direction of viewing rays, seed match finding with high precision is possible. <IMAGE>

IPC 1-7

G06T 7/00

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1667487A4; US11869205B1; CN104392434A; CN104992432A; US7356164B2; CN102609949A; CN111767876A; CN113744361A; EP2547111A1; CN109446611A; CN113095107A; WO2010057906A1; US8873834B2; US9172947B2; DE102021114740B3; TWI416944B

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