Title (en)

SYSTEM AND METHOD FOR IMAGE MAPPING AND VISUAL ATTENTION

Title (de)

SYSTEM UND VERFAHREN FÜR BILDABBILDUNG UND VISUELLE AUFMERKSAMKEIT

Title (fr)

SYSTEME ET PROCEDE DE CARTOGRAPHIE D'IMAGE ET D'ATTENTION VISUELLE

Publication

EP 1934870 A2 20080625 (EN)

Application

EP 06816851 A 20061011

Priority

- US 2006040040 W 20061011
- US 72603305 P 20051011

Abstract (en)

[origin: WO2007044891A2] A method is described for mapping dense sensory data to a Sensory Ego Sphere (SES). Methods are also described for finding and ranking areas of interest in the images that form a complete visual scene on an SES. Further, attentional processing of image data is best done by performing attentional processing on individual full-size images from the image sequence, mapping each attentional location to the nearest node, and then summing all attentional locations at each node. More information is available through this method since attentional processing is repeatedly done on each image in the sequence. An attentional point that has persisted in several adjacent images will have a higher activation value and, therefore, will be deemed more salient than an attentional point found in only one image. Therefore, the confidence that a location deemed salient by this method is an actual salient feature is greater than with the alternative processing methods in which attentional processing is performed only once on the image reconstructed from the foveal windows posted on the (SES).

IPC 8 full level

G06F 19/00 (2006.01)

CPC (source: EP)

G05D 1/0246 (2024.01); **G05D 1/0274** (2024.01); G05B 2219/35144 (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007044891 A2 20070419; **WO 2007044891 A3 20070712**; CA 2625805 A1 20070419; CA 2625805 C 20141125; CA 2868135 A1 20070419; EP 1934870 A2 20080625; EP 1934870 A4 20100324; JP 2009517225 A 20090430

DOCDB simple family (application)

US 2006040040 W 20061011; CA 2625805 A 20061011; CA 2868135 A 20061011; EP 06816851 A 20061011; JP 2008535701 A 20061011