

Title (en)

MULTILEVEL IMAGE GRID DATA STRUCTURE AND IMAGE SEARCH METHOD USING THE SAME

Title (de)

MEHRSCHICHTIGE GRID-DATEN-STRUKTUR UND BILDSUCHVERFAHREN DIESE VERWENDEND

Title (fr)

STRUCTURE DE DONNEES DE GRILLE D'IMAGE A PLUSIEURS NIVEAUX ET PROCEDE DE RECHERCHE D'IMAGE UTILISANT CETTE STRUCTURE

Publication

EP 1080425 A1 20010307 (EN)

Application

EP 00902188 A 20000128

Priority

- KR 0000070 W 20000128
- KR 19990003184 A 19990201

Abstract (en)

[origin: WO0054181A1] The present invention relates to an image search method capable of expressing one color feature related to a spatial color feature of a still image based on a multilevel image grid and similarity-based searching images using the thusly expressed multilevel image grid. In the present invention, hierarchical grids of different levels are generated with respect to one feature for thereby obtaining a data structure in which each cell corresponding to the grid is expressed based on a reliability on a region representative color and the region representative color, so that it is possible to fast and accurately search images with respect to a user's content-based query based on a cell matching of the same level as two image grids and different levels or a color local matching of the grid match.

IPC 1-7

G06F 17/30

IPC 8 full level

G06F 17/30 (2006.01); **G06T 1/00** (2006.01); **G06T 5/00** (2006.01); **G06T 7/00** (2006.01); **H04N 1/46** (2006.01)

CPC (source: EP US)

G06F 16/5838 (2018.12 - EP US)

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

WO 0054181 A1 20000914; AU 2330600 A 20000928; CN 1165859 C 20040908; CN 1293783 A 20010502; EP 1080425 A1 20010307; EP 1080425 A4 20020529; JP 2002539533 A 20021119; JP 3541011 B2 20040707; KR 100319151 B1 20020105; KR 20000054862 A 20000905

DOCDB simple family (application)

KR 0000070 W 20000128; AU 2330600 A 20000128; CN 00800110 A 20000128; EP 00902188 A 20000128; JP 2000604336 A 20000128; KR 19990003184 A 19990201