Title (en)
   SEGMENTATION OF DIGITAL IMAGES

Title (de)
   SEGMENTIERUNG DIGITALER BILDER

Title (fr)
   SEGMENTATION D'IMAGES NUMERIQUES

Publication
   EP 1864252 A1 20071212 (EN)

Application
   EP 05717876 A 20050303

Priority
   GB 2005000798 W 20050303

Abstract (en)
   [origin: WO2006092542A1] A system and method are provided for segmenting a digital image. To segment an image into foreground and
   background a user makes an initial pixel selection such that the selected pixels have colours that are representative of the colours present in the
   foreground of the image. The resulting colours form an initial colour selection. The colour space of the image is then segmented to define two
   or more colour segments, each segment containing similar colours. All colours in those colour segments containing colours in the initial colour
   selection form a final colour selection. The group of pixels that have colours contained in the final colour selection and which form a region that is
   contiguous with the initial pixel selection are assigned to the foreground. All other pixels are assigned to the background. The segmentation may be
   refined by allowing user to select pixels in the image having colours whose assignment to the foreground or background may require modification.
   The resulting colours form a refinement colour selection. A user interface is presented to the user in the form of a tree structure. The user navigates
   the tree structure reassigning selected colours or groups of colours to the foreground or background.

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   G06T 5/00 (2006.01)

CPC (source: EP)
   G06T 7/11 (2016.12); **G06T 7/194** (2016.12); G06T 2207/20104 (2013.01)

Citation (search report)
   See references of WO 2006092542A1

Cited by
   CN108521614A; CN111353503A

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