

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.

IPC 8 full level  
**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

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006092542 A1 20060908**; EP 1864252 A1 20071212; GB 0719346 D0 20071114; GB 2439250 A 20071219

DOCDB simple family (application)  
**GB 2005000798 W 20050303**; EP 05717876 A 20050303; GB 0719346 A 20050303