Title (en)
METHOD FOR DETECTING GEOMETRICAL STRUCTURES IN IMAGES

Title (de)
VERFAHREN ZUR DETEKTION GEOMETRISCHER STRUKTUREN IN BILDERN

Title (fr)
PROCÉDÉS DE SEGMENTATION D'IMAGE, APPLIQUÉS EN BIOLOGIE CELLULAIRE

Publication
EP 1766579 A2 20070328 (DE)

Application
EP 05769803 A 20050708

Priority
- EP 2005053275 W 20050708
- EP 04016307 A 20040710
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Abstract (en)
[origin: EP1615170A1] A method for the detection of linear objects in images, particularly in images of chemical and/ or biological samples such as cell images, comprising the following Steps: detecting a borderline of an imaged object, defining at least one sector space which comprises a sector origin located on the borderline, transforming the image space corresponding to the sector space through a transformation suited for line identification, within the transformed sector space, determining zero or more maximums corresponding to the linear object, and back transformation of the sector space for representation of the linear object.

IPC 8 full level
G06T 7/00 (2006.01); G06V 10/48 (2022.01)

CPC (source: EP US)
G06T 7/12 (2016.12 - EP US); G06T 7/136 (2016.12 - EP US); G06V 10/48 (2022.01 - EP US); G06V 20/69 (2022.01 - EP US); G06T 2207/10056 (2013.01 - EP US); G06T 2207/20061 (2013.01 - EP US); G06T 2207/30024 (2013.01 - EP US)

Citation (search report)
See references of WO 2006005728A2

Designated contracting state (EPC)
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EP 1615170 A1 20060111; EP 1766579 A2 20070328; US 2007263917 A1 20071115; US 7903862 B2 20110308; WO 2006005728 A2 20060119; WO 2006005728 A3 20060323

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