

Title (en)

METHODS AND APPARATUS FOR IMAGE ANALYSIS USING PROFILE WEIGHTED INTENSITY FEATURES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BILDANALYSE MITTELS PROFILGEWICHTETER INTENSITÄTSMERKMALE

Title (fr)

PROCÉDÉS ET APPAREIL D'ANALYSE D'IMAGE À L'AIDE DE CARACTÉRISTIQUES D'INTENSITÉ À PROFIL PONDÉRÉ

Publication

**EP 2776975 A1 20140917 (EN)**

Application

**EP 11811118 A 20111108**

Priority

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Abstract (en)

[origin: WO2013068781A1] A new morphological feature referred to herein as profile weighted intensity feature is provided, useful for automated classification of objects, such as cells, that are depicted in digital images. In certain embodiments, the profile weighted intensity feature is determined by automatically identifying a border of a cell in an input image, determining a distance image for the cell, computing a profile function for the cell, and computing a mean intensity of at least a portion of the input image weighted by the profile function for the cell.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013068781A1

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