Title (en)
IMAGE ANALYSIS SYSTEMS AND RELATED METHODS

Title (de)
BILDANALYSESYSTEME UND ZUGEHÖRIGE VERFAHREN

Title (fr)
SYSTÈMES D'ANALYSE D'IMAGES ET PROCÉDÉS ASSOCIÉS

Publication
EP 3583544 A4 20200812 (EN)

Application
EP 18753979 A 20180214

Priority
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• US 2018018113 W 20180214

Abstract (en)
[origin: WO2018152157A1] Embodiments disclosed herein are directed to systems and methods for determining a presence and an amount of an analyte in a biological sample. The systems and methods for determining the presence of an analyte utilize a plurality of images of a sample slide including multiple fields-of-view having multiple focal planes therein. The systems and methods utilize algorithms configured to balance the color and grayscale intensity of the plurality of images and based thereon determine if the plurality of images contain the analyte therein.

IPC 8 full level
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CPC (source: EP US)
G06V 10/30 (2022.01 - EP US); **G06V 10/454** (2022.01 - EP US); **G06V 10/82** (2022.01 - EP US); **G06V 20/693** (2022.01 - EP US); **G06V 20/695** (2022.01 - EP US); **G06V 20/698** (2022.01 - EP US)

Citation (search report)
• [X] US 2016350914 A1 20161201 - CHAMPLIN CARY RICHARD [US], et al
• [XP] MEHANIAN COUROSH ET AL: "Computer-Automated Malaria Diagnosis and Quantitation Using Convolutional Neural Networks", 2017 IEEE INTERNATIONAL CONFERENCE ON COMPUTER VISION WORKSHOPS (ICCVW), IEEE, 22 October 2017 (2017-10-22), pages 116 - 125, XP033303448, DOI: 10.1109/ICCVW.2017.22
• See references of WO 2018152157A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
US 2018018113 W 20180214; CN 201880021008 A 20180214; EP 18753979 A 20180214; TW 107105375 A 20180213; ZA 201906008 A 20190911