

Title (en)

BLOOD ANALYSIS USING A FLOW IMAGING CYTOMETER

Title (de)

BLUTANALYSE MITTELS DURCHFLUSSBILDGEBUNGSZYTOMETER

Title (fr)

ANALYSE SANGUINE ET CELLULAIRE AU MOYEN D'UN CYTOMETRE EN FLUX IMAGEUR

Publication

**EP 1844426 A4 20160907 (EN)**

Application

**EP 06720094 A 20060201**

Priority

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Abstract (en)

[origin: WO2006083969A2] Multimodal/multispectral images of a population of cells are simultaneously collected. Photometric and/or morphometric features identifiable in the images are used to separate the population of cells into a plurality of subpopulations. Where the population of cells includes diseased cells and healthy cells, the images can be separated into a healthy subpopulation, and a diseased subpopulation. Where the population of cells does not include diseased cells, one or more ratios of different cell types in patients not having a disease condition can be compared to the corresponding ratios in patients having the disease condition, enabling the disease condition to be detected. For example, blood cells can be separated into different types based on their images, and an increase in the number of lymphocytes, a phenomenon associated with chronic lymphocytic leukemia, can readily be detected.

IPC 8 full level

**G06K 9/00** (2006.01)

CPC (source: EP)

**G01N 15/1433** (2024.01); **G01N 15/147** (2013.01); **G06V 20/69** (2022.01); **G01N 2015/1497** (2013.01)

Citation (search report)

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- [A] KORST ET AL: "Nucleated red blood cells: An update on the marker for fetal asphyxia", AMERICAN JOURNAL OF OBSTETRICS & GYNECOLOGY, MOSBY, ST LOUIS, MO, US, vol. 175, no. 4, 1 October 1996 (1996-10-01), pages 843 - 846, XP005453639, ISSN: 0002-9378, DOI: 10.1016/S0002-9378(96)80010-X
- See references of WO 2006083969A2

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