

Title (en)

SAMPLE PROCESSING IMPROVEMENTS FOR QUANTITATIVE MICROSCOPY

Title (de)

VERBESSERTE PROBENVERARBEITUNG FÜR QUANTITATIVE MIKROSKOPIE

Title (fr)

PERFECTIONNEMENTS APPORTÉS AU TRAITEMENT D'ÉCHANTILLONS POUR LA MICROSCOPIE QUANTITATIVE

Publication

**EP 3268737 A4 20181114 (EN)**

Application

**EP 16760984 A 20160310**

Priority

- US 201562131164 P 20150310
- CA 2016050263 W 20160310

Abstract (en)

[origin: WO2016141487A1] Among other things, a diluted sample is generated based on mixing a small sample of blood with a one or more diluents. A thin film of the diluted sample is formed on the surface of a contact optical microscopy sensor. Red blood cells within a portion of the thin film of the diluted sample are illuminated using light of a predetermined wavelength. One or more images of the diluted sample are acquired based on illuminating the red blood cells within the portion of the thin film of the diluted sample. The acquired one or more images of the diluted sample are then processed. The mean corpuscular hemoglobin in the red blood cells within the portion of the thin film of the diluted sample is determined based on processing the acquired images of the diluted sample.

IPC 8 full level

**G01N 33/49** (2006.01); **G01N 15/00** (2006.01); **G01N 15/10** (2006.01); **G01N 15/14** (2006.01); **G02B 21/36** (2006.01)

CPC (source: EP)

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Citation (search report)

- [X1] US 2015002834 A1 20150101 - FINE ALAN MARC [CA], et al
- [X1] US 2014152801 A1 20140605 - FINE ALAN MARC [CA], et al
- [A] US 2011164803 A1 20110707 - WANG ZHIZHOU [US], et al
- [AD] US 2009258338 A1 20091015 - ZHANG HUI [CN], et al
- See references of WO 2016141487A1

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