

Title (en)

IMAGING AND ANALYZING PARAMETERS OF SMALL MOVING OBJECTS SUCH AS CELLS

Title (de)

ABBILDUNG UND ANALYSE VON PARAMETERN KLEINER BEWEGLICHER OBJEKTE, WIE ZUM BEISPIEL ZELLEN

Title (fr)

PARAMETRES POUR METTRE EN IMAGE ET ANALYSER DE PETITS OBJETS EN MOUVEMENT, TELS QUE DES CELLULES

Publication

**EP 1334338 A4 20080319 (EN)**

Application

**EP 01274071 A 20011012**

Priority

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- US 24012500 P 20001012
- US 82043401 A 20010329

Abstract (en)

[origin: WO02101339A2] Light from an object such as a cell moving through an imaging system is collected and dispersed so that it is imaged onto a plurality of separate detectors. The light is spectrally dispersed by a plurality of spaced-apart dichroic reflectors, each detector receiving light from a different one of the dichroic reflectors. Each dichroic filter reflects light of a different predefined color, passing light of other colors. The output signal from each detector is indicative of a different characteristic of the object. In one configuration, each detector is provided with a separate imaging lens. In another configuration, the detectors are spaced at varying distances from the corresponding dichroic reflectors, so that separate imaging lenses are not required.

IPC 8 full level

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CPC (source: EP)

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C-Set (source: EP)

**C12Q 1/6816 + C12Q 2563/179 + C12Q 2563/107**

Citation (search report)

- [X] US 5900942 A 19990504 - SPIERING BRUCE A [US]
- [XY] US RE35868 E 19980811 - KOSAKA TOKIHIRO [JP]
- [Y] WO 0042412 A1 20000720 - SOFTRAY INC [US]
- [Y] US 4777525 A 19881011 - PRESTON JR KENDALL [US]

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**WO 02101339 A2 20021219; WO 02101339 A3 20030501**; EP 1334338 A2 20030813; EP 1334338 A4 20080319; JP 2004522163 A 20040722; JP 2007263983 A 20071011; JP 4018063 B2 20071205; JP 5160158 B2 20130313

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