Title (en)

DEVICE AND METHOD FOR MONITORING LEUKOCYTE MIGRATION

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BERWACHUNG DER LEUKOZYTENWANDERUNG

Title (fr)

DISPOSITIF ET PROCEDE POUR SURVEILLER LA MIGRATION DES LEUCOCYTES

Publication

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Application

EP 03774884 A 20031021

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Abstract (en)

[origin: WO2004038367A2] The present invention discloses a device for monitoring chemotaxis or chemoinvasion. The present invention further provides a flexible assay system and numerous assays that can be used to test biological interactions and systems. Laminar flow gradients are employed that mimic gradient situations present in vivo.

IPC 8 full level

G01N 33/50 (2006.01); **A01N 1/02** (2006.01); **B01L 3/00** (2006.01); **C12M 1/00** (2006.01); **C12M 1/34** (2006.01); **C12N 5/08** (2006.01); **C12Q 1/02** (2006.01); **G01N 25/10** (2006.01); **G01N 33/53** (2006.01); **G01N 33/543** (2006.01); **G01N 33/554** (2006.01)

IPC 8 main group level

G01N (2006.01)

CPC (source: EP)

B01L 3/5025 (2013.01); **B82Y 15/00** (2013.01); **B82Y 30/00** (2013.01); **G01N 33/5029** (2013.01); B01L 3/5027 (2013.01); B01L 2300/0681 (2013.01); B01L 2300/0829 (2013.01)

Citation (search report)

- [X] WO 9852691 A1 19981126 - ALBERTA RES COUNCIL [CA], et al
- [X] WO 0073799 A1 20001207 - CALIPER TECHN CORP [US], et al
- [X] JEON N L ET AL: "Neutrophil chemotaxis in linear and complex gradients of interleukin-8 formed ina microfabricated device", NATURE BIOTECHNOLOGY, NATURE PUBLISHING GROUP, NEW YORK, NY, US, vol. 20, 1 July 2002 (2002-07-01), pages 826 - 830, XP002978726, ISSN: 1087-0156
- See references of WO 2004038368A2

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US 0333146 W 20031021; AU 2003282950 A 20031021; AU 2003287170 A 20031021; CA 2503186 A 20031021; CA 2503203 A 20031021; EP 03774884 A 20031021; EP 03781348 A 20031021; JP 2004546909 A 20031021; JP 2004546913 A 20031021; US 0333177 W 20031021