U.S. PATENT DOCUMENTS

7,291,497	B2 *	11/2007	Holmes et al.	435/287.2
7,459,305	B2 *	12/2008	Levy	435/287.2
7,807,197	B2 *	10/2010	Lee et al.	424/473
8,055,329	B2 *	11/2011	Kimchy et al.	600/436
2001/0051766	A1	12/2001	Gazdzinski	
2002/0001854	A1	1/2002	Lee	
2002/0034757	A1	3/2002	Cubicciotti	
2002/0055127	A1	5/2002	Gindilis	
2002/0072733	A1	6/2002	Flaherty	
2002/0132226	A1	9/2002	Nair et al.	
2003/0014362	A1	1/2003	Yim	
2003/0049833	A1	3/2003	Chen et al.	
2003/0061687	A1	4/2003	Hansen et al.	
2003/0069560	A1	4/2003	Adamis et al.	
2003/0097092	A1	5/2003	Flaherty	
2003/0117491	A1 *	6/2003	Avni et al.	348/77
2003/0143551	A1	7/2003	Cattell	
2003/0148362	A1 *	8/2003	Luka	435/6
2003/0153900	A1	8/2003	Aceti et al.	
2003/0167000	A1	9/2003	Mullick et al.	
2003/0191430	A1	10/2003	D'Andrea et al.	
2003/0214057	A1	11/2003	Huang	
2004/0005582	A1	1/2004	Shipwash	
2004/0096959	A1	5/2004	Stiene et al.	
2004/0213825	A1 *	10/2004	Levy	424/423
2005/0009101	A1	1/2005	Blackburn	
2005/0019836	A1 *	1/2005	Vogel et al.	435/7.2
2005/0064529	A1	3/2005	Kwon	
2005/0100937	A1	5/2005	Holmes	
2005/0136548	A1	6/2005	McDevitt et al.	
2005/0147559	A1	7/2005	Von Alten	
2005/0209565	A1	9/2005	Yuzhakov et al.	
2005/0249633	A1	11/2005	Blatt et al.	
2005/0255001	A1	11/2005	Padmanabhan et al.	
2005/0255600	A1	11/2005	Padmanabhan et al.	
2006/0019319	A1	1/2006	Billadeau et al.	
2006/0029924	A1	2/2006	Brewster et al.	
2006/0106316	A1	5/2006	Palti	
2006/0182738	A1	8/2006	Holmes	
2006/0211933	A1	9/2006	Zimmermann et al.	
2007/0166195	A1	7/2007	Padmanabhan et al.	
2011/0166553	A1 *	7/2011	Holmes et al.	604/890.1

FOREIGN PATENT DOCUMENTS

WO	WO 01/35928		5/2001
WO	WO 03/066128	A2	8/2003
WO	WO 03/066128	A3	12/2003

OTHER PUBLICATIONS

Celebre, et al. A comparative study of efficiencies of fibre optic and prism TIRF sensors. Meas. Sci. Technol. 1992; 3:1166-1173.

Chan, Quantum dot bioconjugates for ultrasensitive nonisotopic detection. Science. 1998; 281(5385):2016-8.

Chang, et al. Micromachining & Microfabrication. SPIE Optical Engineering Press. Bellingham, Wash. 1997. (Cover pages and table of contents only).

Charles, et al. Synthesis of a fluorescent analog of polychlorinated biphenyls for use in a continuous flow immunosensor assay. Bioconjug Chem. 1995; 6(6):691-4.

Duffy, et al. Rapid Prototyping of Microfluidic Systems in Poly(dimethylsiloxane). Analytical Chemistry. 1998; 70(23):4974-4984.

Harrison's Principles of Internal Medicine, Part 2 Cardinal Manifestations of Disease, Ch. 60 (12th ed. 1991; pp. 338-343.).

Jaeger. Introduction to Microelectronic fabrication. Addison-Wesley Pubishing Co. Reading Mass. 1988. (Cover pages and table of Contents only).

Mukerjee, et al. Microneedle array for transdermal biological fluid extraction and in situ analysis. Sensors and Actuators A. 2004; 114:267-275.

Preininger, et al. Polymer-coated optical fibres for application in a direct evanescent wave immunoassay. Analytica Chimica Acta, 2000; 403, 67-76.

Rai-Choudhury, ed., Handbook of Microlithography, Micromachining & Microfabrication. SPIE Optical Engineering Press. Bellingham, Wash. 1997. (Cover pages and table of contents only).

Runyan, et al. Semiconductor integrated circuit processing technology. Addison-Wesley Publishing Co., Reading Mass. 1990. (Cover pages and table of contents only).

Sapsford, et al. Demonstration of four immunoassay formats using the array biosensor. Anal Chem. 2002; 74(5):1061-8.

Scheurle, et al. HER-2/neu expression in archival non-smaill cell lung carcinomas using FDA-approved hercep test. Anticancer Res. 2000; 20:2091-2096.

Tedeschi, et al. Antibody immobilisation on fibre optic TIRF sensors. Biosens Bioelectron. 2003; 19(2):85-93.

International search report dated Jul. 4, 2005 for PCT Application No. US2004/029462.

* cited by examiner