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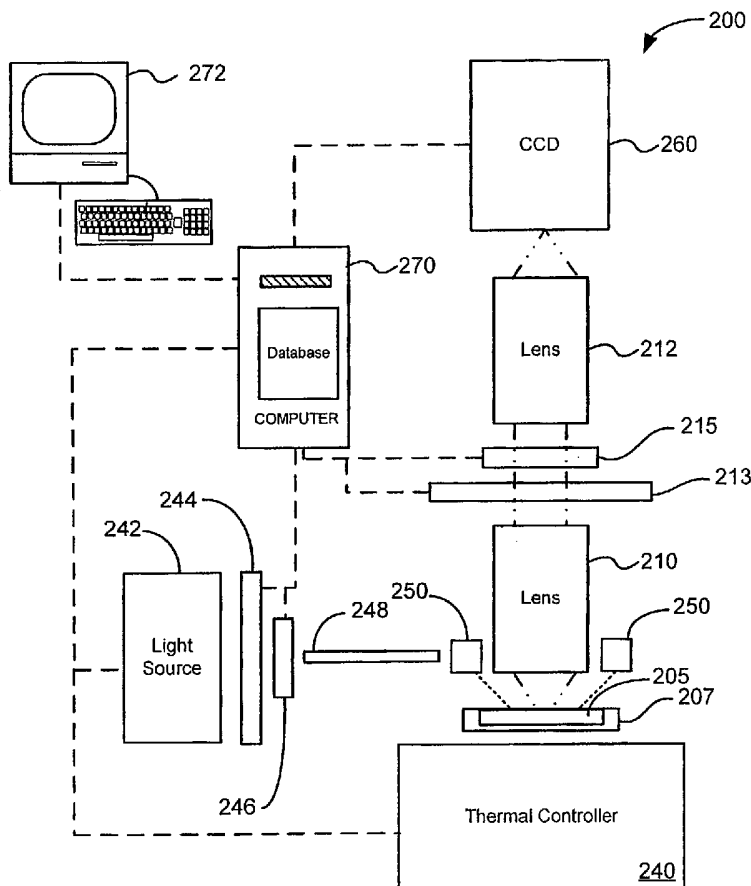
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(54) Title: OPTICAL LENS SYSTEM AND METHOD FOR MICROFLUIDIC DEVICES



(57) Abstract: An apparatus for imaging one or more selected fluorescence indications from a microfluidic device (205). The apparatus includes an imaging path coupled to at least one chamber in at least one microfluidic device (205). The imaging path provides for transmission of one or more fluorescent emission signals derived from one or more samples in the at least one chamber of the at least one microfluidic device (205). The chamber has a chamber size, the chamber size being characterized by an actual spatial dimension normal to the imaging path. The apparatus also includes an optical lens system (210, 212) coupled to the imaging path. The optical lens system is adapted to transmit the one or more fluorescent signals associated with the chamber.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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 US CL : 250/208.1, 361C, 458.1, 459.1, 461.1, 483.1, 484.2; 356/317, 318, 436; 435/4

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 East Database

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,316,781 B1 (NAGLE et al) 13 November 2001 (13.11.2001), column 8, line 4 - column 9, line 19.	1-4,8,9,13,16-18,21,24,63,65,67,73,74 ----- 5-7,10-12,14,15,19,20,22,23,25-62,64,66,68-72,75-80
X --- Y	US 6,353,475 B1 (JENSEN et al) 5 March 2002 (05.03.2002), column 3, line 45 - column 6, line 29.	1-4,8,9,13,16-18,21,24,63,65,67,73,74 ----- 5-7,10-12,14,15,19,20,22,23,25-62,64,66,68-72,75-80

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