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(74) Agent: **WARBURG, Richard, J.**; Foley & Lardner,
P.O.Box 80278, San Diego, CA 92138-0278 (US).

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(71) Applicant (*for all designated States except US*): **IDEXX
LABORATORIES, INC.** [US/US]; One Idexx Drive,
Westbrook, ME 04092 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **CHEN, Chun-Ming**
[US/US]; 127 Slocum Drive, Falmouth, ME 04105 (US).
CARPENTER, Charles, R. [US/US]; 175 Holmes Road,
Scarborough, ME 04074 (US). **GU, Haoyi** [US/US]; 68
Astilbe Lane, Yarmouth, ME 04096 (US). **NAQUI, Ali**
[US/US]; 2 Pinehurst Lane, Falmouth, ME 04105 (US).
MADSEN, Gary [US/US]; 3211 Conservancy Lane,
Middleton, WI 53562 (US). **O'CONNOR, Thomas, P.,
Jr.** [US/US]; 10 Enchanted Lane, Westbrook, ME 04092
(US). **ESTY, Katherine, Jean** [US/US]; 41 Monroe
Avenue, Westbrook, ME 04092 (US).

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ning of each regular issue of the PCT Gazette.*

(54) Title: METHODS AND DEVICES FOR THE DETECTION OF PATHOGENIC MICROORGANISMS AND THEIR AN-
TIMICROBIAL SUSCEPTIBILITY

(57) Abstract: The present invention provides devices and methods for determining the presence or absence of pathogens in a biological sample and for the concurrent determination of the antimicrobial susceptibility of pathogens present. The devices and methods of the present invention are able to make the determinations without pre-selection of target bacteria. Instead, all organisms from the sample are applied to the device. In wells where one or more antimicrobial agents are present only pathogens resistant to the antimicrobial agent grow. This allows the user to determine the presence of target pathogens and concurrently determine the resistance patterns of the organisms without the need to subculture the organisms. The present invention also provides methods of performing a business service of performing the determinations described above, and kits containing the devices and descriptions of the methods.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 38/00; C12Q 1/00, 1/02, 1/04, 1/06, 1/18; C12M 1/34; C12N 1/00, 1/20

US CL : 435/4, 29, 32, 34, 38, 39, 252.1, 252.8, 253.6, 287.1, 848, 849; 514/2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,252,624 B1 (MATSUMARA et al.) 26 June 2001 (26.06.2001), Abstract; Column 4, Lines 35-45; Column 8, Line 40 to Column 9, Line 8; Column 20, Lines 17-55 and Column 24, Lines 29-40.	1-9 and 13-33
Y	US 6,090,541 A (WICKS et al.) 18 June 2000 (18.06.2000), Abstract; Column 3, Lines 33-36; Column 4, Lines 50-64; Column 5, Lines 52-55; Column 7, 60-63;	1-3, 5-9, 13-33
Y	US 5,650,290 A (GRANT, M.A.) 22 July 1997 (22.07.1997), Entire document, especially, Abstract; Column 2, Line 20 to Column 4, Line 12; Column 6, Line 27 to Column 7, Line 2; Column 8, Line 61 to Column 9, Line 6 and Column 10, Lines 6 and 38.	1-3 and 5-33



Further documents are listed in the continuation of Box C.



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Continuation of B. FIELDS SEARCHED Item 3:

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