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FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: SURFACE-ENHANCED LASER DESORPTION/IONIZATION-BASED DISEASE DIAGNOSIS

(57) Abstract: The present invention provides methods of aiding in a disease diagnosis or prognosis. The methods include capturing antibodies in samples derived from subjects on probes with antigens that are indicative of particular diseases. The methods also include detecting the captured antibodies by at least one version of surface enhanced laser desorption/ionization gas phase ion spectrometry. The invention further provides probes and kits for performing the methods of the invention.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/15210

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): G01N 33/543(2006.01)

USPC: 436/173

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)

U.S. : 435/287.2, 287.9, 975; 436/63, 173, 518, 524, 808, 811

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)

Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,027,942 A (HUTCHENS et al) 22 February 2000 (22.02.2000), see columns 5-7.	1-22
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X		23-24



Further documents are listed in the continuation of Box C.



See patent family annex.

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"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: SELDI, surface enhanced laser desorption deionization, antibodies