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(54) **Title:** A METHOD FOR SCREENING OF INFECTIOUS AGENTS IN BLOOD

(57) **Abstract:** This invention discloses using SPR technology to simultaneously and qualitatively detect the presence of infectious agent related antibodies and/or antigens in a serum sample, which can be used to screen for infectious agents in blood. It also discloses an efficient formula to make a mixed SAM that can greatly enhance the immobilization ability of the metal surface in SPR based techniques, which is good for the immobilization of relevant antigens and antibodies used for the screening of infectious agents in blood.

INTERNATIONAL SEARCH REPORT

International application No

PCT/US07/748 19

A. CLASSIFICATION OF SUBJECT MATTER		
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USPC 436/525		
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 Please See Continuation Sheet		
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
X --- Y	US 5,242,828 A (BERGSTROM et al) 07 September 1993 (07 09 1993), see entire document	1,2,8,9 ----- 6,7
X --- Y	US 5,629,213 A (KORNGUTH et al) 13 May 1997 (13 05 1997), see entire document	1,2,8 ----- 6,7
D Further documents are listed in the continuation of Box C		D See patent family annex
* Special categories of cited documents	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"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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"O" document referring to an oral disclosure, use, exhibition or other means		
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