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- (71) Applicant (for all designated States except US): 3M INNOVATIVE PROPERTIES COMPANY [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MACH, Patrick, A. [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US). DASARATHA, Sridhar, V. [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US). BJORK, Jason, W. [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US). REIF-WENNER, Mara, S. [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US). GUO, Chunmei [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US). WEBB, Heather, M. [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US). BOMMARITO, Marco, G. [US/US]; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US). LAKSHMI, Brinda, B. [IN/US]; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US). SIEKMOLLER, Jorg [DE/DE]; 3M Germany, Carl-Schurz-Strasse 1, 41453 Neuss (DE).
- (74) Agents: LAMBERT, Nancy, M. et al.; 3M Center, Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US).
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(54) Title: METHODS OF CAPTURING BACTERIAL WHOLE CELLS AND METHODS OF ANALYZING SAMPLES FOR BACTERIA

(57) Abstract: In certain embodiments, the invention relates to methods of capturing bacterial whole cells that includes the use of two or more antibodies having antigenic specificities for two or more distinct analytes characteristic of the specific bacterium. In certain embodiments, the invention relates to methods of analyzing a sample for a bacterium of interest. In particular, the methods are useful for detecting one or more analytes characteristic of a bacterium of interest, such as components of cell walls that are characteristic of a bacterium, particularly Staphylococcus aureus.

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A. CLASSIFICATION OF SUBJECT MATTER INV. C12Q1/00 G01N33/53 G01N33/569				
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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C12Q G01N				
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 practical, search terms used) EPO-Internal, WPI Data				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	STARK M ET AL: "Immunomagnetic separation and solid-phase detection of Bordetella pertussis." JOURNAL OF CLINICAL MICROBIOLOGY APR 1996, vol. 34, no. 4, April 1996 (1996-04), pages 778-784, XP002505959 ISSN: 0095-1137 see "materials and methods" part of the document; figure 1 <div style="text-align: center;">----- -/--</div>	1-7, 20-25, 47,66		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.				
* Special categories of cited documents :				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 50%; border: none; vertical-align: top;"> *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 *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 *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family </td> </tr> </table>			*A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*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 *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 *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*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 *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 *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family			
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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