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(54) Title: INACTIVATION OF TOXIC AGENTS AND PATHOGENS USING CHITOSAN

(57) Abstract: Embodiments of the present invention provide methods and devices for filtering and/or inactivating toxic agents. More specifically, embodiments of the present invention provide methods and devices for filtering and/or inactivating toxic agents using chitosan filters.



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A CLASSIFICATION OF SUBJECT MATTER

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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)

PubWest, Google Scholar, Google Patent' chitosan virus, air filter, face mask, herpes, viral face mask antiviral, face mask, inactivate virus, Methicillin-resistant Staphylococcus aureus

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	BORREGO et al Development and Application of New Positively Charged Filters for Recovery of Bacteriophages from Water Applied and Environmental Microbiology Apr 1991 (04 1991), Vol 57, No 4, p1218-1222, page 1, col 2, para 5	1-3, 5, 7, 8
Y	US 2004/0109853 A1 (MCDANIEL) 08 Jun 04 (08 06 04), para [0826]	4, 6, 9-36
Y	HIV InSite Web site, Dec 2005 (12 2005), page 2, Introduction	4
Y	US 5,783,502 A (SWANSON) 21 July 1998 (21 07 1998), Abstract and col 3, ln 39-43	6, 18, 32
Y	US 6,681,765 B2 (WEN et al) 27 Jan 2004 (27 01 2004). Abstract, col 3, ln 6-16	9
Y	US 5,840,760 A (CARRAHER, JR et al) 24 Nov 1998 (24 11 1998), col 2, ln 10-13, col 7, ln 15-22	10-17, 21-28, 30-31, 34-36
Y	US 4,789,475 A (HARTE et al) 6 Dec 1988 (06 12 1988), col 2, ln 58-63	19 33
		20, 29

D Further documents are listed in the continuation of Box C



* 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
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O" document referring to an oral disclosure, use, exhibition or other means	
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