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(71) Applicant(s):

Kimberly-Clark Worldwide, Inc. 2300 Winchester Road, Neenah 54956, Wisconsin, **United States of America**

(72) Inventor(s):

Cindy Korir-Morrison Jonathan Hofmekler **Cesar Z Morales David William Koenig Bao Trong Do**

(74) Agent and/or Address for Service:

St. Bride's House, 10 Salisbury Square, LONDON, EC4Y 8JD, United Kingdom

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(56) Documents Cited:

US 20140034076 A1 US 20120251608 A1 US 20110182959 A1 US 20100136072 A1 US 20040030080 A1

(58) Field of Search:

INT CL A01N, A61K, A61Q, B01D, C07C, C08F Other: eKOMPASS (KIPO internal)

- (54) Title of the Invention: Fibrous web comprising a cationic polymer for capturing microorganisms Abstract Title: Fibrous web comprising a cationic polymer for capturing microorganisms
- (57) A fibrous web that includes a cationic polymer that contains a cationic monomer comprising a cationic functional group having an affinity for the negatively charged cell walls of bacteria and a hydrophobic monomer comprising a hydrophobic functional group is provided. The molar ratio of the cationic monomer to the hydrophobic monomer is greater than about 1.1. The affinity of the cationic polymer for the bacteria allows the web to capture bacteria, thereby removing them from a surface or liquid, without the use of harsh chemicals, and also inhibiting their spread to other surfaces and liquids that may contact the web.