



US010920222C2

(12) **EX PARTE REEXAMINATION CERTIFICATE** (12043rd)  
**United States Patent**  
 Sommer et al. (10) Number: **US 10,920,222 C2**  
 (45) Certificate Issued: **May 3, 2022**

(54) **TREATING AND PREVENTING MICROBIAL INFECTIONS**

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**Reexamination Request:**  
 No. 90/014,877, Oct. 6, 2021

**Reexamination Certificate for:**  
 Patent No.: **10,920,222**  
 Issued: **Feb. 16, 2021**  
 Appl. No.: **16/700,856**  
 Filed: **Dec. 2, 2019**

Reexamination Certificate CI 10,920,222 issued Sep. 7, 2021

**Related U.S. Application Data**

(63) Continuation of application No. 15/967,484, filed on Apr. 30, 2018, now Pat. No. 10,760,075.

(51) **Int. Cl.**  
*A61K 39/00* (2006.01)  
*A61K 39/38* (2006.01)  
*A61K 39/02* (2006.01)  
*A61K 39/09* (2006.01)  
*A61K 39/085* (2006.01)  
*A61K 39/10* (2006.01)  
*A61K 39/08* (2006.01)  
*A61K 39/102* (2006.01)

*A61K 39/118* (2006.01)  
*C12N 15/11* (2006.01)  
*A61P 31/04* (2006.01)  
*A61K 39/395* (2006.01)  
*A61K 38/46* (2006.01)  
*C07K 16/28* (2006.01)

(52) **U.S. Cl.**  
 CPC ..... *C12N 15/11* (2013.01); *A61K 38/465* (2013.01); *A61K 39/3955* (2013.01); *A61K 39/39558* (2013.01); *A61P 31/04* (2018.01); *C07K 16/2818* (2013.01); *C07K 16/2827* (2013.01); *C12N 2310/20* (2017.05); *C12N 2320/30* (2013.01); *C12N 2320/31* (2013.01); *Y02A 50/30* (2018.01)

(58) **Field of Classification Search**  
 None  
 See application file for complete search history.

(56) **References Cited**

To view the complete listing of prior art documents cited during the proceeding for Reexamination Control Number 90/014,877, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

*Primary Examiner* — Bruce R Campell

(57) **ABSTRACT**

The invention provides methods for treating or preventing microbial (eg, bacterial) infections and means for performing these methods. In particular, treatment of infections requiring rapid and durable therapy is made possible, such as for treating acute conditions such as septicemia, sepsis, SIRS or septic shock. The invention is particularly useful, for example, for treatment of microbes such as for environmental, food and beverage use. The invention relates inter alia to methods of controlling microbiologically influenced corrosion (MIC) or biofouling of a substrate or fluid in an industrial or domestic system. The invention also useful for the treatment of pathogenic bacterial infections in subjects receiving a treatment for a disease or condition, such as a transplant or a treatment for cancer, a viral infection or an autoimmune disease.

**EX PARTE  
REEXAMINATION CERTIFICATE**

NO AMENDMENTS HAVE BEEN MADE TO  
THE PATENT 5

AS A RESULT OF REEXAMINATION, IT HAS BEEN  
DETERMINED THAT:

The patentability of claims 2-42 is confirmed. 10  
Claim 1 was previously cancelled.

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