

Title (en)  
MICROPOROUS PATHOGEN-KILLING COMPOSITION

Title (de)  
MIKROPORÖSE PATHOGEN-ZERSTÖRENDE ZUSAMMENSETZUNG

Title (fr)  
COMPOSITION MICROPOREUSE TUANT LES PATHOGENES

Publication  
**EP 0857207 A4 20021002 (EN)**

Application  
**EP 96937748 A 19961025**

Priority  
• US 9617136 W 19961025  
• US 54789395 A 19951025

Abstract (en)  
[origin: WO9715661A1] A microporous substance having pores sized to permit entry of pathogenic particles but exclude blood cells, wherein a singlet oxygen generating system is bound to the microporous substance.

IPC 1-7  
**C12N 11/18**; **C12N 11/14**; **C12N 11/10**; **C12N 7/04**; **C12N 7/02**; **A61K 38/44**; **A61K 38/54**; **A01N 1/02**

IPC 8 full level  
**C12N 11/10** (2006.01); **A01N 61/00** (2006.01); **A01N 63/50** (2020.01); **A61K 31/00** (2006.01); **A61K 31/35** (2006.01); **A61K 31/37** (2006.01); **A61K 31/40** (2006.01); **A61K 31/54** (2006.01); **A61K 31/5415** (2006.01); **A61K 31/70** (2006.01); **A61K 33/00** (2006.01); **A61K 38/00** (2006.01); **A61K 38/44** (2006.01); **A61K 47/06** (2006.01); **A61L 2/00** (2006.01); **A61P 7/00** (2006.01); **A61P 7/08** (2006.01); **C12N 7/02** (2006.01); **C12N 7/04** (2006.01); **C12N 11/00** (2006.01); **C12N 11/08** (2006.01); **C12N 11/18** (2006.01)

CPC (source: EP KR US)  
**A01N 61/00** (2013.01 - EP); **A01N 63/50** (2020.01 - EP US); **A61L 2/0005** (2013.01 - EP); **A61L 2/0011** (2013.01 - EP); **A61L 2/0082** (2013.01 - EP); **A61L 2/08** (2013.01 - EP); **A61P 7/00** (2017.12 - EP); **A61P 7/08** (2017.12 - EP); **C12N 11/00** (2013.01 - EP); **C12N 11/089** (2020.01 - EP US); **C12N 11/18** (2013.01 - EP KR US)

C-Set (source: EP US)  
EP  
1. **A01N 61/00 + A01N 25/34 + A01N 25/10**  
2. **A01N 61/00 + A01N 2300/00**  
3. **A01N 63/50 + A01N 63/50 + A01N 25/34 + A01N 25/10**  
4. **A01N 63/50 + A01N 63/50 + A01N 2300/00**  
5. **A01N 63/50 + A01N 63/50**  
US  
1. **A01N 63/50 + A01N 63/50 + A01N 25/34 + A01N 25/10**  
2. **A01N 63/50 + A01N 63/50 + A01N 2300/00**  
3. **A01N 63/50 + A01N 63/50**

Citation (search report)  
• [XY] US 4986921 A 19910122 - YATES STEPHEN F [US], et al  
• [Y] EP 0500387 A2 19920826 - EXOXEMIS INC [US]  
• [XY] GIBSON, SCOTT L. ET AL: "Photosensitizing effects of hematoporphyrin derivative immobilized on Sepharose", PHOTOCHEMISTRY AND PHOTOBIOLOGY, vol. 45, no. 1, 1987, pages 93 - 104, XP001095604  
• [Y] BIN XIE ET AL: "UREA AND LACTATE DETERMINED IN 1-UL WHOLE-BLOOD SAMPLES WITH A MINIATURIZED THERMAL BIOSENSOR", CLINICAL CHEMISTRY, AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY. WINSTON, US, vol. 40, no. 12, 1 December 1994 (1994-12-01), pages 2282 - 2287, XP000485717, ISSN: 0009-9147  
• [A] LE GUERN, F. ET AL: "Singlet oxygen production using porphyrins immobilized on mineral supports", BULLETIN DE LA SOCIETE CHIMIQUE FRANCE, vol. 130, no. 6, 1993, pages 753 - 756, XP001094486  
• [A] DI MASCIIO, PAOLO ET AL: "Singlet molecular oxygen causes loss of biological activity in plasmid and bacteriophage DNA and induces single-strand breaks", BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1007, no. 2, 1989, pages 151 - 157, XP002207463  
• [A] AUBUCHON J P ET AL: "IN ACTIVATION OF MICROBIAL CONTAMINANTS OF BLOOD COMPONENTS", CLINICS IN LABORATORY MEDICINE, W.B. SAUNDERS CO., LONDON, GB, vol. 12, no. 4, December 1992 (1992-12-01), pages 787 - 803, XP000943706, ISSN: 0272-2712  
• [A] SAZAMA KATHLEEN: "Bacteria in blood for transfusion.", ARCHIVES OF PATHOLOGY AND LABORATORY MEDICINE, vol. 118, no. 4, 1994, pages 350 - 365, XP002207464, ISSN: 0363-0153  
• [PA] HOROWITZ B ET AL: "Strategies for viral inactivation.", CURRENT OPINION IN HEMATOLOGY. UNITED STATES NOV 1995, vol. 2, no. 6, November 1995 (1995-11-01), pages 484 - 492, XP002207465, ISSN: 1065-6251  
• See references of WO 9715661A1

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**WO 9715661 A1 19970501**; AU 703034 B2 19990311; AU 7521796 A 19970515; EP 0857207 A1 19980812; EP 0857207 A4 20021002; JP 2000500741 A 20000125; KR 19990067070 A 19990816

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