

Title (en)
BACTERIOCINS AND NOVEL BACTERIAL STRAINS

Title (de)
BACTERIOCINE UND NEUE BAKTERIENSTÄMME

Title (fr)
BACTERIOCINES ET NOUVELLES SOUCHES BACTERIENNES

Publication
EP 1858534 A4 20090722 (EN)

Application
EP 05730719 A 20050318

Priority
US 2005008991 W 20050318

Abstract (en)
[origin: WO2006101486A2] Novel bacteriocins and/or the novel lactic acid-producing strains are used for at least reducing the levels of colonization by at least one target bacteria in animals, especially poultry.

IPC 8 full level
A61K 35/74 (2006.01)

CPC (source: EP)
A23K 10/18 (2016.05); **A23K 20/147** (2016.05); **A23K 50/75** (2016.05); **C07K 14/335** (2013.01); **C12N 1/205** (2021.05); **A61K 38/00** (2013.01); **A61K 2035/11** (2013.01); **C12R 2001/225** (2021.05); **C12R 2001/46** (2021.05)

Citation (search report)

- [A] US 2004220093 A1 20041104 - STERN NORMAN J [US], et al
- [A] US 2004038379 A1 20040226 - COLLINS JOHN KEVIN [IE], et al
- [T] US 7354904 B2 20080408 - STERN NORMAN J [US], et al
- [X] STERN NORMAN J ET AL: "Strategies to reduce Campylobacter", JOURNAL OF DAIRY SCIENCE, vol. 87, no. Suppl. 1, 2004, & ANNUAL MEETING OF THE AMERICAN-DAIRY-SCIENCE-ASSOCIATION/AMERICAN-SOCIETY-OF-ANIMAL-SCIENCE/POULTRY-; ST LOUIS, MO, USA; JULY 24 -29, 2004, pages 405, XP009117989, ISSN: 0022-0302
- [AD] KLAENHAMMER ET AL: "Genetics of bacteriocins produced by lactic acid bacteria", FEMS MICROBIOLOGY REVIEWS, ELSEVIER, AMSTERDAM, NL, vol. 12, no. 1-3, 1 September 1993 (1993-09-01), pages 39 - 85, XP023708093, ISSN: 0168-6445, [retrieved on 19930901]
- [A] HERNÁNDEZ P E ET AL: "[Utilization of lactic bacteria in the control of pathogenic microorganisms in food]", MICROBIOLOGÍA (MADRID, SPAIN) FEB 1993, vol. 9 Spec No, February 1993 (1993-02-01), pages 37 - 48, XP009117966, ISSN: 0213-4101
- [A] PASCUAL MONICA ET AL: "Lactobacillus salivarius CTC2197 prevents Salmonella enteritidis colonization in chickens", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 65, no. 11, November 1999 (1999-11-01), pages 4981 - 4986, XP002531306, ISSN: 0099-2240
- [T] STERN N J ET AL: "Isolation of a Lactobacillus salivarius strain and purification of its bacteriocin, which is inhibitory to Campylobacter jejuni in the chicken gastrointestinal system", ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, vol. 50, no. 9, September 2006 (2006-09-01), pages 3111 - 3116, XP002531307, ISSN: 0066-4804
- [T] STERN NORMAN J ET AL: "Bacteriocins reduce Campylobacter jejuni colonization while bacteria producing bacteriocins are ineffective", MICROBIAL ECOLOGY IN HEALTH AND DISEASE, vol. 20, no. 2, 2008, pages 74 - 79, XP009117993, ISSN: 0891-060X
- [T] STERN N J ET AL: "Bacteriocins control chicken colonization while probiotic bacteria are ineffective at reducing Campylobacter jejuni", ZOOSES PUBLIC HEALTH, vol. 54, no. Suppl. 1, 2007, & 14TH INTERNATIONAL WORKSHOP ON CAMPYLOBACTER, HELICOBACTER AND RELATED ORGANISMS; ROTTERDAM, NETHERLANDS; SEPTEMBER 02 -05, 2007, pages 118, XP002531308, ISSN: 1863-1959
- See references of WO 2006101486A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006101486 A2 20060928; WO 2006101486 A3 20071122; AP 2007004168 A0 20071031; AU 2005329462 A1 20060928; AU 2005329462 B2 20111201; BR PI0520154 A2 20090422; CA 2601591 A1 20060928; CN 101282743 A 20081008; CN 101282743 B 20120620; EA 013330 B1 20100430; EA 200701730 A1 20080428; EP 1858534 A2 20071128; EP 1858534 A4 20090722; EP 2359836 A1 20110824; EP 2371373 A1 20111005; MX 2007011503 A 20080325; NZ 561654 A 20100730

DOCDB simple family (application)
US 2005008991 W 20050318; AP 2007004168 A 20050318; AU 2005329462 A 20050318; BR PI0520154 A 20050318; CA 2601591 A 20050318; CN 200580049168 A 20050318; EA 200701730 A 20050318; EP 05730719 A 20050318; EP 11001376 A 20050318; EP 11001377 A 20050318; MX 2007011503 A 20050318; NZ 56165405 A 20050318