

Title (en)
CHEMOPROTECTIVE BACTERIAL STRAINS

Title (de)
CHEMOSCHÜTZENDE BAKTERIENSTÄMME

Title (fr)
SOUCHES BACTERIENNES CHIMIOPROTECTRICES

Publication
EP 1032413 A1 20000906 (EN)

Application
EP 98960523 A 19981127

Priority
• US 9825315 W 19981127
• US 6696997 P 19971128

Abstract (en)
[origin: WO9927953A1] This invention provides compositions and methods for supplementing the detoxification systems of gastrointestinal cells to protect the body from ingested procarcinogens and other toxic substances. The compositions comprise probiotic microorganisms which have been genetically modified to express mammalian enzymes involved in detoxification of procarcinogens. The invention is practiced by feeding or otherwise administering the engineered probiotic organisms to an animal or human. The organisms colonize or otherwise become associated with the GI tract of the individual, whereupon they grow and multiply, continuing to produce the detoxifying enzymes.

IPC 1-7
A61K 38/44; **A61K 38/45**; **A23C 9/123**

IPC 8 full level
A23C 9/123 (2006.01); **A23L 1/28** (2006.01); **A61K 35/74** (2006.01); **A61K 35/747** (2015.01); **A61K 38/43** (2006.01); **A61K 38/44** (2006.01); **A61K 38/45** (2006.01); **A61P 1/14** (2006.01); **A61P 39/02** (2006.01); **A61P 43/00** (2006.01)

CPC (source: EP)
A23C 9/1234 (2013.01); **A61K 35/747** (2013.01); **A61K 38/44** (2013.01); **A61K 38/45** (2013.01); **A61P 1/14** (2017.12); **A61P 39/02** (2017.12); **A61P 43/00** (2017.12); **C12Y 106/02004** (2013.01); **C12Y 205/01018** (2013.01); **Y02A 50/30** (2017.12)

Citation (search report)
See references of WO 9927953A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9927953 A1 19990610; AU 1610599 A 19990616; AU 754020 B2 20021031; CA 2311613 A1 19990610; EP 1032413 A1 20000906; IL 136266 A0 20010520; JP 2001524530 A 20011204

DOCDB simple family (application)
US 9825315 W 19981127; AU 1610599 A 19981127; CA 2311613 A 19981127; EP 98960523 A 19981127; IL 13626698 A 19981127; JP 2000522938 A 19981127