

Title (en)
MUTAGENESIS TESTING USING TRANSGENIC NON-HUMAN ANIMALS CARRYING TEST DNA SEQUENCES.

Title (de)
MUTAGENESETEST DURCH VERWENDUNG VON NICHT MENSCHLICHEN LEBEWESSEN, DIE TEST-DNS-SEQUENZEN ENTHALTEN.

Title (fr)
TEST DE MUTAGENESE UTILISANT DES ANIMAUX NON HUMAINS TRANSGENIQUES PORTANT DES SEQUENCES D'ADN TEST.

Publication
EP 0671955 A4 19970409 (EN)

Application
EP 93906965 A 19930212

Priority

- US 9301293 W 19930212
- US 83703192 A 19920214
- US 94119092 A 19920904

Abstract (en)
[origin: WO9315769A1] The invention describes an assay for monitoring and assessing the mutagenic potential of agents which involves creating and using transgenic non-human organisms carrying a test DNA sequence or sequences that can be examined for spontaneous mutations or induced mutations following exposure to one or more suspected mutagenic agents. In a preferred assay system, the mutagenized test DNA sequences are selectable, thereby increasing the sensitivity of the assay.

IPC 1-7
A61K 49/00; **C12N 15/00**; **C12N 1/20**

IPC 8 full level
A01K 67/027 (2006.01); **A61K 49/00** (2006.01); **C12N 15/63** (2006.01); **C12N 15/72** (2006.01); **C12N 15/85** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/50** (2006.01)

CPC (source: EP)
A01K 67/0275 (2013.01); **A61K 49/0008** (2013.01); **C12N 15/63** (2013.01); **C12N 15/72** (2013.01); **C12N 15/8509** (2013.01); **C12Q 1/6897** (2013.01); **G01N 33/5017** (2013.01); **A01K 2217/05** (2013.01); **A01K 2227/105** (2013.01); **A01K 2267/0393** (2013.01); **C12N 2800/30** (2013.01)

Citation (search report)

- [X] WO 9115579 A1 19911017 - STRATAGENE INC [US]
- [X] EP 0370813 A2 19900530 - TRANSGENIC SCIENCES INC [US]
- [A] WO 8909272 A1 19891005 - CHEMICAL INDUSTRY INST OF TOXI [US]
- [PX] WO 9217605 A1 19921015 - INGENY BV [NL]
- [A] J.S. LEBKOWSKI ET AL.: "The lacI shuttle: Rapid analysis of the mutagenic specificity of ultraviolet light in human cells", PROC. NATL.ACAD SCI., vol. 82, December 1985 (1985-12-01), NATL. ACAD SCI., WASHINGTON, DC, US,; pages 8606 - 8610, XP002023904
- [A] P.M. GLAZER ET AL.: "Detection and analysis of UV-induced mutations in mammalian cell DNA using a lambda shuttle vector", PROC. NATL.ACAD SCI., vol. 83, February 1986 (1986-02-01), NATL. ACAD SCI., WASHINGTON, DC, US,; pages 1041 - 1044, XP002023905
- See references of WO 9315769A1

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

DOCDB simple family (publication)
WO 9315769 A1 19930819; CA 2130081 A1 19930819; EP 0671955 A1 19950920; EP 0671955 A4 19970409

DOCDB simple family (application)
US 9301293 W 19930212; CA 2130081 A 19930212; EP 93906965 A 19930212