

## 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