

Title (en)

ENHANCING GROWTH AND PEARL PRODUCTION IN MOLLUSKS

Title (de)

STEIGERUNG VON WACHSTUM UND PERLENPRODUKTION BEI MOLLUSKEN

Title (fr)

AUGMENTATION DE LA CROISSANCE DE MOLLUSQUES ET DE LA PRODUCTION PAR CEUX-CI

Publication

**EP 0792098 A4 20021105 (EN)**

Application

**EP 95940687 A 19951106**

Priority

- US 9514685 W 19951106
- US 34220394 A 19941118

Abstract (en)

[origin: WO9615662A1] The invention generally relates to methods of enhancing the growth of pearl producing mollusks through the exposure of the mollusk to a growth enhancing agent. Also provided are transgenic mollusks capable of expression of exogenous growth enhancing agents, and methods of culturing pearls comprising the use of these methods and mollusks.

IPC 1-7

**A01K 61/00**; **C12N 5/00**; **C12N 15/00**

IPC 8 full level

**A01K 61/00** (2006.01); **A01K 67/033** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01)

CPC (source: EP)

**A01K 61/54** (2016.12); **Y02A 40/81** (2017.12)

Citation (search report)

- [PX] WO 9520872 A1 19950810 - UNIV LELAND STANFORD JUNIOR [US], et al
- [A] US 5076208 A 19911231 - ZOHAR YONATHAN [IL], et al
- [PX] POWERS D A ET AL: "ELECTROPORATION AS AN EFFECTIVE MEANS OF INTRODUCING DNA INTO ABALONE (HALIOTIS RUFESCENS) EMBRYOS", MOLECULAR MARINE BIOLOGY AND BIOTECHNOLOGY, XX, XX, vol. 4, no. 4, 1995, pages 369 - 376, XP000918527
- [Y] PAYNTER K T: "IN-VITRO ASSESSMENT OF GROWTH RATE ON OYSTER TISSUES THE EFFECTS OF VERTEBRATE GROWTH HORMONE AND INSULIN", JOURNAL OF SHELLFISH RESEARCH, vol. 10, no. 1, 1991, pages 280 - 281, XP001105255, ISSN: 0730-8000
- [Y] SHAO JUN DU ET AL: "GROWTH ENHANCEMENT IN TRANSGENIC ATLANTIC SALMON BY THE USE OF AN ALL FISH CHIMERIC GROWTH HORMONE GENE CONSTRUCT", BIO/TECHNOLOGY, NATURE PUBLISHING CO. NEW YORK, US, vol. 10, no. 2, 1 February 1992 (1992-02-01), pages 176 - 181, XP000293043, ISSN: 0733-222X
- [T] WADA KOJI: "Genetical and physiological control of calcification in pearl cultivation.", BULLETIN DE L'INSTITUT OCEANOGRAPHIQUE (MONACO), no. SPEC. ISSUE 14 PART 4, 1996, pages 183 - 193, XP001105861, ISSN: 0304-5722
- See references of WO 9615662A1

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

**WO 9615662 A1 19960530**; AU 4235496 A 19960617; AU 713205 B2 19991125; EP 0792098 A1 19970903; EP 0792098 A4 20021105; JP 2002502229 A 20020122; NZ 297240 A 19991028

DOCDB simple family (application)

**US 9514685 W 19951106**; AU 4235496 A 19951106; EP 95940687 A 19951106; JP 51693996 A 19951106; NZ 29724095 A 19951106