

Title (en)

DOCOSAHEXAENOIC ACID (DHA) PRODUCING THRAUSTOCHYTRID STRAIN - SC1

Title (de)

DOCOSAHEXAENSÄURE (DHA) PRODUZIERENDER THRAUSTOCHYTRIUM-STAMM - SC1

Title (fr)

SOUCHE DE THRAUSTOCHYTRIDE SC1 PRODUISANT L ACIDE DOCOSAHEXAENOIQUE (ADH)

Publication

**EP 1963481 A2 20080903 (EN)**

Application

**EP 05818740 A 20051216**

Priority

IB 2005003934 W 20051216

Abstract (en)

[origin: WO2007068997A2] The invention relates to the screening of an unreported strain of thraustochytrid - SC1 producing significant amounts of Docosahexaenoic acid (DHA) and also accumulate their respective intermediate fatty acids in addition to DHA. This organism has been isolated from the backwaters of Goa by Pollen Baiting method. The fatty acid profile and the 18S ribosomal sequences of each of this organism has been disclosed indicating its molecular phylogeny. The organism on further study can be very significant for their utilization in the commercial production of DHA.

IPC 8 full level

**C12N 1/00** (2006.01); **C12P 7/6472** (2022.01); **C11C 1/04** (2006.01); **C12P 7/6434** (2022.01)

CPC (source: EP US)

**C11B 1/10** (2013.01 - EP); **C12N 1/105** (2021.05 - EP); **C12N 1/125** (2021.05 - EP); **C12P 7/6434** (2022.01 - EP US); **C12P 7/6472** (2013.01 - EP US); **C12R 2001/89** (2021.05 - EP); **C12R 2001/90** (2021.05 - EP)

Citation (examination)

DATABASE EMBL [online] 5 December 2005 (2005-12-05), "Thraustochytriidae sp. NIOS-1 haplotype NIOS1-D00-3 18S ribosomal RNA gene, complete sequence.", retrieved from EBI accession no. EMBL:AY705771 Database accession no. AY705771

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007068997 A2 20070621**; **WO 2007068997 A3 20070816**; AU 2005339110 A1 20070621; BR PI0520823 A2 20110412; CA 2639071 A1 20070621; CN 101370929 A 20090218; EP 1963481 A2 20080903; IL 192162 A0 20081229; JP 2009519032 A 20090514; MX 2008007860 A 20090211

DOCDB simple family (application)

**IB 2005003934 W 20051216**; AU 2005339110 A 20051216; BR PI0520823 A 20051216; CA 2639071 A 20051216; CN 200580052523 A 20051216; EP 05818740 A 20051216; IL 19216208 A 20080615; JP 2008545118 A 20051216; MX 2008007860 A 20051216