

Title (en)

BALANCED ARA/EPA RATIO IN SALMON GILL AND KIDNEY TISSUES TO IMPROVE SEA WATER PERFORMANCE

Title (de)

AUSGEWOGENES ARA/EPA-VERHÄLTNIS IN LACHSKIEMEN UND NIERENGeweBE FÜR DIE VERBESSERUNG DER SALZWASSERTauglichkeit

Title (fr)

RAPPORT ARA/EPA ÉQUILIBRÉ DANS DES TISSUS DE BRANCHIE ET DE REIN DE SAUMON POUR AMÉLIORER UNE PERFORMANCE EN EAU DE MER

Publication

EP 2293688 A2 20110316 (EN)

Application

EP 09747411 A 20090513

Priority

- US 2009043698 W 20090513
- US 5280208 P 20080513

Abstract (en)

[origin: WO2009140327A2] The present invention describes a salmon smolt comprising an arachidonic acid (ARA) to eicosapentaenoic acid (EPA) ratio of one or greater, specifically in gill and kidney tissues. The invention discloses a feed additive containing ARA and its use in a sufficient amount to balance the excess amount of EPA contributed from the marine oils used in the standard feed for salmon. The invention also discloses a method to modulate the gill and kidney ARA/EPA ratio to the favor of ARA. Smolt of the present invention demonstrates superior growth recovery and stress resistance after their sea water transfer.

IPC 8 full level

A23K 1/18 (2006.01); **A01K 61/00** (2006.01); **A23K 1/10** (2006.01); **A23K 1/16** (2006.01)

CPC (source: EP)

A01K 61/80 (2016.12); **A23K 10/22** (2016.05); **A23K 20/158** (2016.05); **A23K 50/80** (2016.05); **Y02A 40/81** (2017.12)

Cited by

CN111278294A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009140327 A2 20091119; WO 2009140327 A3 20100311; CL 2009001164 A1 20100409; EP 2293688 A2 20110316; EP 2293688 A4 20110525

DOCDB simple family (application)

US 2009043698 W 20090513; CL 2009001164 A 20090513; EP 09747411 A 20090513