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

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Application

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Priority

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- 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)

Citation (search report)

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Citation (examination)

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