



US008278351B2

(12) **United States Patent**
Sampalis(10) **Patent No.:** **US 8,278,351 B2**
(45) **Date of Patent:** ***Oct. 2, 2012**(54) **NATURAL MARINE SOURCE
PHOSPHOLIPIDS COMPRISING
POLYUNSATURATED FATTY ACIDS AND
THEIR APPLICATIONS**(75) Inventor: **Fontini Sampalis, Laval (CA)**(73) Assignee: **Neptune Technologies &
Bioresources, Inc., Laval QC (CA)**(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.This patent is subject to a terminal dis-
claimer.(21) Appl. No.: **13/189,714**(22) Filed: **Jul. 25, 2011**(65) **Prior Publication Data**

US 2012/0028922 A1 Feb. 2, 2012

Related U.S. Application Data(63) Continuation of application No. 10/485,094, filed as
application No. PCT/CA02/01185 on Jul. 29, 2002,
now Pat. No. 8,030,348.(60) Provisional application No. 60/307,842, filed on Jul.
27, 2001.(51) **Int. Cl.**
A61K 31/215 (2006.01)
A61K 31/661 (2006.01)(52) **U.S. Cl.** **514/506; 514/75**(58) **Field of Classification Search** 514/506,
514/75

See application file for complete search history.

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(74) *Attorney, Agent, or Firm* — Cooley LLP(57) **ABSTRACT**A phospholipid extract from a marine or aquatic biomass
possesses therapeutic properties. The phospholipid extract
comprises a variety of phospholipids, fatty acid, metals and a
novel flavonoid.

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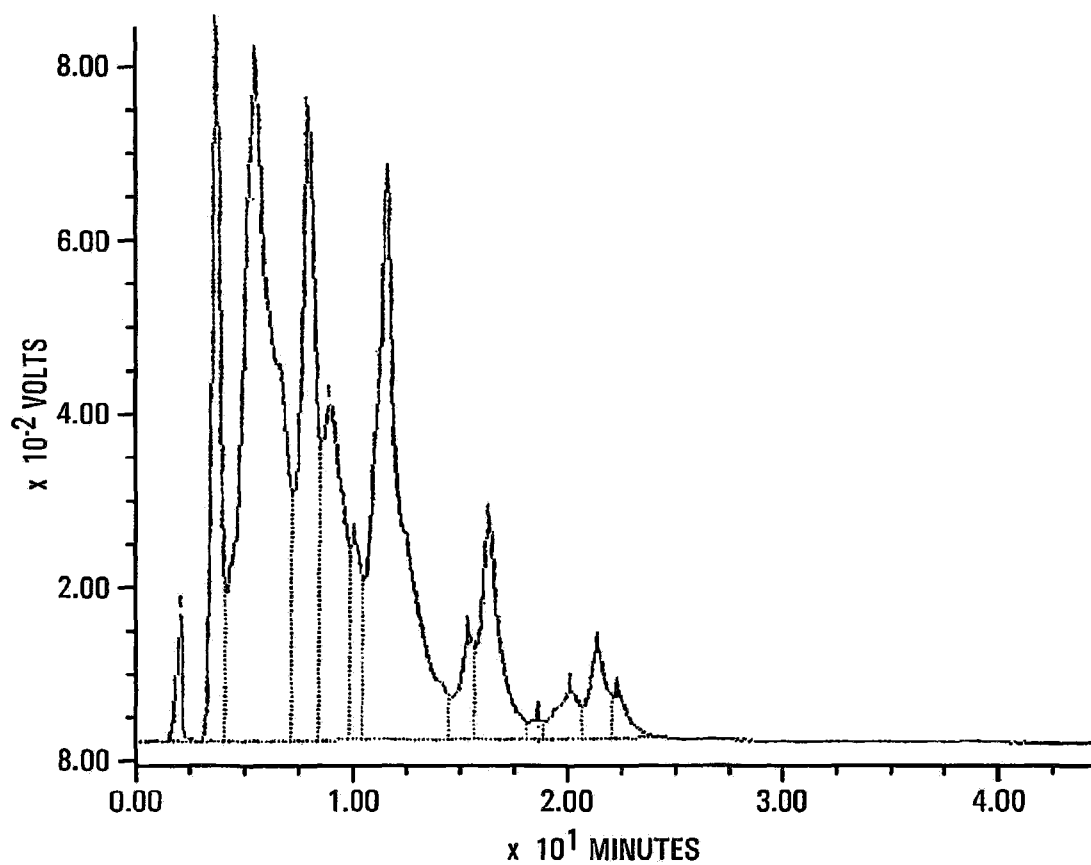


Fig. 1

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