US009408817B2

(12) **United States Patent**
Khoo et al.

(10) **Patent No.: US 9,408,817 B2**
(45) **Date of Patent: Aug. 9, 2016**

(54) **METHODS FOR DETECTING INFLAMMATORY BOWEL DISEASE IN A FELINE**

(75) Inventors: **Christina Khoo**, Lawrence, KS (US); **William David Schoenherr**, Hoyt, KS (US); **Kathy Lynn Gross**, Topeka, KS (US)

(73) Assignee: **Hill's Pet Nutrition, Inc.**, Topeka, KS (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 909 days.

(21) Appl. No.: **13/372,251**

(22) Filed: **Feb. 13, 2012**

(65) **Prior Publication Data**

US 2012/0142009 A1 Jun. 7, 2012

Related U.S. Application Data

(60) Continuation of application No. 12/493,685, filed on Jun. 29, 2009, now abandoned, which is a division of application No. 11/617,810, filed on Dec. 29, 2006, now Pat. No. 8,048,922.

(60) Provisional application No. 60/754,806, filed on Dec. 29, 2005.

(51) **Int. Cl.**

A61K 38/00	(2006.01)
A61K 31/19	(2006.01)
A61K 9/00	(2006.01)
A61K 31/202	(2006.01)

(52) **U.S. Cl.**
CPC ***A61K 31/19*** (2013.01); ***A61K 9/0056*** (2013.01); ***A61K 31/202*** (2013.01)

(58) **Field of Classification Search**
None
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2009/0263855 A1* 10/2009 Khoo et al. 435/29

FOREIGN PATENT DOCUMENTS

WO	WO 01/82720	11/2001
WO	WO 2004/075653	9/2004
WO	WO 2004/112776	12/2004
WO	WO 2006/072084	7/2006

OTHER PUBLICATIONS

2005 AAFCO Official Publication, pp. 137-140.
Small Animal Nutrition, pp. 127-146 (2000).
html version of the file http://www.hillsvet.com/media/_refacing/USARG/generalContent/vet/confProceedings/en/pdf/felineCare_EvidenceBasedUseFattyAcidsFelineDisease_en.pdf, retrieved from the web Feb. 8, 2011.

* cited by examiner

Primary Examiner — Michail Belyavskyi

(57) **ABSTRACT**

Compositions comprising docosahexaenoic acid (DHA) and optionally one or more fatty acids selected from the group consisting of eicosapentaenoic acid (EPA), arachidonic acid (ARA), linoleic acid (LA), and α-linoleic acid (ALA) are administered to felines for preventing or treating feline inflammatory bowel disease (IBD).

2 Claims, No Drawings