



US009410161B2

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

(10) **Patent No.:** **US 9,410,161 B2**
(45) **Date of Patent:** ***Aug. 9, 2016**

- (54) **SOYBEAN SEED AND OIL COMPOSITIONS AND METHODS OF MAKING SAME**
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 224 days.

This patent is subject to a terminal disclaimer.
- (21) Appl. No.: **14/085,933**
- (22) Filed: **Nov. 21, 2013**

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(65) **Prior Publication Data**

US 2014/0082774 A1 Mar. 20, 2014

Related U.S. Application Data

- (60) Division of application No. 13/669,024, filed on Nov. 5, 2012, now Pat. No. 8,609,953, which is a division of application No. 13/080,087, filed on Apr. 5, 2011, now abandoned, which is a continuation of application No. 12/713,388, filed on Feb. 26, 2010, now Pat. No. 7,943,818, which is a division of application No. 11/684,413, filed on Mar. 9, 2007, now Pat. No. 7,790,953.
- (60) Provisional application No. 60/781,519, filed on Mar. 10, 2006.
- (51) **Int. Cl.**
C12N 15/82 (2006.01)
A01H 5/10 (2006.01)
A23D 9/00 (2006.01)
C11B 1/10 (2006.01)
C11C 1/00 (2006.01)
- (52) **U.S. Cl.**
CPC **C12N 15/8247** (2013.01); **A01H 5/10** (2013.01); **A23D 9/00** (2013.01); **C11B 1/10** (2013.01); **C11C 1/002** (2013.01); **C12N 15/8218** (2013.01)
- (58) **Field of Classification Search**
None
See application file for complete search history.

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Primary Examiner — Eileen B O Hara*(74) Attorney, Agent, or Firm* — Thompson Coburn LLP; Chunping Li; Charles P. Romano(57) **ABSTRACT**

Methods for obtaining soybean plants that produce seed with low linolenic acid levels and moderately increased oleic levels are disclosed. Also disclosed are methods for producing seed with low linolenic acid levels, moderately increased oleic levels and low saturated fatty acid levels. These methods entail the combination of transgenes that provide moderate oleic acid levels with soybean germplasm that contains mutations in soybean genes that confer low linolenic acid phenotypes. These methods also entail the combination of transgenes that provide both moderate oleic acid levels and low saturated fat levels with soybean germplasm that contains mutations in soybean genes that confer low linolenic acid phenotypes. Soybean plants and seeds produced by these methods are also disclosed.

34 Claims, 6 Drawing Sheets