



(51) International Patent Classification:

A01H 4/00 (2006.01) *C12N 15/00* (2006.01)
A01H 1/06 (2006.01)

(21) International Application Number:

PCT/US2012/025981

(22) International Filing Date:

21 February 2012 (21.02.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/445,426 22 February 2011 (22.02.2011) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

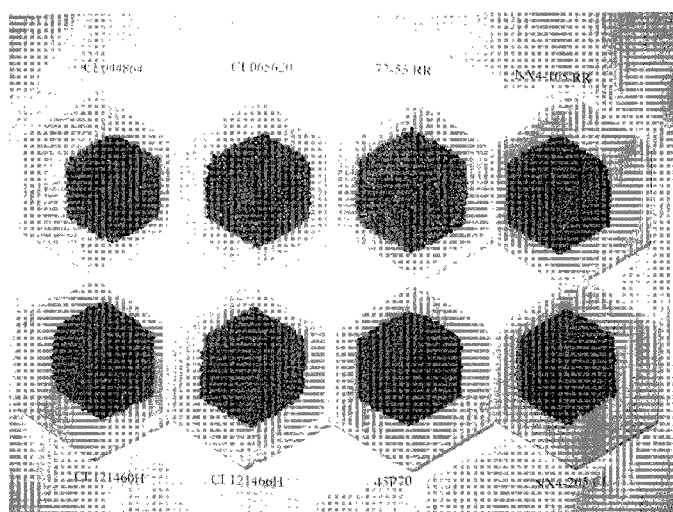
Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

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(54) Title: CANOLA GERmplasm EXHIBITING SEED COMPOSITIONAL ATTRIBUTES THAT DELIVER ENHANCED CANOLA MEAL NUTRITIONAL VALUE HAVING OMEGA-9 TRAITS

FIG. 1. Sample seeds of exemplary canola varieties



(57) Abstract: A canola germplasm confers on a canola seed the traits of high protein content and low fiber content, wherein the canola plant produces a seed having, on average, at least 68% oleic acid (C18:1) and less than 3% linolenic acid (C18:3). The canola seed traits may also include at least 45% crude protein and not more than 18% acid detergent fiber content on an oil-free, dry matter basis. Certain embodiments further comprise one or more traits selected from the group consisting of reduced polyphenolic content and increased phosphorous content. In particular embodiments, the invention concerns canola plants comprising such germplasm and plant commodity products (e.g., seeds) produced therefrom. Canola plants comprising a germplasm of the invention may exhibit favorable seed composition characteristics that make them particularly valuable as a source for canola meal.

**Published:****(88) Date of publication of the international search report:**

28 February 2013

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*