

Title (en)

GENERATION OF TRANSGENIC CANOLA WITH LOW OR NO SATURATED FATTY ACIDS

Title (de)

HERSTELLUNG VON TRANSGENEM RAPS OHNE ODER MIT GERINGEM GEHALT AN GESÄTTIGTEN FETTSÄUREN

Title (fr)

GÉNÉRATION DE COLZA TRANSGÉNIQUE AYANT PEU OU PAS D'ACIDES GRAS SATURÉS

Publication

**EP 3232770 A1 20171025 (EN)**

Application

**EP 14908636 A 20141219**

Priority

US 2014071705 W 20141219

Abstract (en)

[origin: WO2016099568A1] Compositions and methods include genetically encoding and expressing a novel delta-9 desaturase in plant cells. In some embodiments, methods of expressing nucleic acids in a plant cell to take advantage of the delta-9 desaturase enzyme's activity, such that the percent composition of saturated fatty acids in plant seeds is decreased and there is a concomitant increase in  $\omega$ 9 fatty acids. In other embodiments, amino acid sequences have delta-9 desaturase activity. Methods can involve expression of delta-9 desaturase in plant cells, plant materials, and whole plants for the purpose of increasing the amount of mono unsaturated fatty acids in whole plants, plant seeds, and plant materials, for example, seeds.

IPC 8 full level

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