



US009510531B2

(12) **United States Patent**
Popi

(10) **Patent No.:** **US 9,510,531 B2**

(45) **Date of Patent:** ***Dec. 6, 2016**

(54) **PLANTS AND SEEDS OF HYBRID CORN VARIETY CH517525**

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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 265 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **14/262,248**

(22) Filed: **Apr. 25, 2014**

(65) **Prior Publication Data**

US 2015/0305266 A1 Oct. 29, 2015

(51) **Int. Cl.**
A01H 5/10 (2006.01)

(52) **U.S. Cl.**
CPC **A01H 5/10** (2013.01)

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

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,658,085	A	4/1987	Bevensdorf et al.	
5,523,520	A	6/1996	Hunsperger et al.	
5,773,683	A	6/1998	Foley	
6,433,261	B2	8/2002	Hotchkiss	
6,693,232	B1	2/2004	Bergemann	
6,852,915	B2	2/2005	Johnson	
7,632,994	B2	12/2009	Popi	
8,471,125	B2	6/2013	Popi	
2012/0266287	A1*	10/2012	Stangland A01H 5/10 800/263
2015/0272038	A1*	10/2015	Popi A01H 5/10 800/275

OTHER PUBLICATIONS

U.S. Appl. No. 14/225,273, filed Mar. 25, 2014, Popi.
Eshed et al., "Less-than-additive epistatic interactions of quantitative trait loci in tomato," *Genetic*, 143:1807-1817, 1996.
Fehr (ed.), In: Principles of Cultivar Development, vol. 1: Theory and Technique, pp. 360-376, 1987.
Hallauer et al., "Corn breeding," In: Corn and Corn Improvement, Sprague et al. (Eds.), Madison, Wisconsin, Ch. 8, pp. 463-564, 1988.
Kraft et al., "Linkage disequilibrium and fingerprinting in sugar beet," *Theor Appl Genet*, 101:323-326, 2000.
Krakowsky et al., "Quantitative trait loci for cell wall components in recombinant inbred lines of maize (*Zea mays* L.) II: leaf sheath tissue," *Theor Appl Genet* 112:717-726, 2006.
Larson et al., "Corn Production," In: Corn and Corn Improvement, G.F. Sprague (Ed.), No. 18 in Agronomy Series, American Society of Agronomy, Inc., Madison, Wisconsin, pp. 625-669, 1977.
Meghji et al., "Inbreeding depression, inbred and hybrid grain yields, and other traits of maize genotypes representing three eras," *Crop Science*, 24:545-549, 1984.
Sprague et al., "Corn Breeding," In: Corn and Corn Improvements, G.F. Sprague (Ed.), No. 18 in Agronomy Series, American Society of Agronomy, Inc., Madison, Wisconsin, pp. 305-362, 1977.
Wych, "Production of hybrid seed corn," In: Corn and Corn Improvement, Sprague et al. (Eds.), Madison, Wisconsin, Ch. 9, pp. 565-607, 1988.
Variety specific information as indicated in transmittal letter of Aug. 19, 2014 Information Disclosure Statement for U.S. Appl. No. 14/262,248.

* cited by examiner

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(57) **ABSTRACT**

According to the invention, there is provided seed and plants of the hybrid corn variety designated CH517525. The invention thus relates to the plants, seeds and tissue cultures of the variety CH517525, and to methods for producing a corn plant produced by crossing a corn plant of variety CH517525 with itself or with another corn plant, such as a plant of another variety. The invention further relates to genetic complements of plants of variety CH517525.

21 Claims, No Drawings