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Mozzoni

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(54) **SOYBEAN VARIETY 01050923**

(71) Applicant: **Monsanto Technology LLC**, St. Louis, MO (US)

(72) Inventor: **Leandro Mozzoni**, Lincoln, NE (US)

(73) Assignee: **Monsanto Technology LLC**, St. Louis, MO (US)

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(58) **Field of Classification Search**

None

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,569,815	A	10/1996	Eby
5,576,474	A	11/1996	Lussenden
5,850,019	A	12/1998	Maiti et al.
6,051,753	A	4/2000	Comai et al.
6,660,911	B2	12/2003	Fincher et al.
6,949,696	B2	9/2005	Fincher et al.
6,953,876	B2	10/2005	Floyd
6,958,436	B2	10/2005	Hawbaker
6,960,707	B2	11/2005	Eby et al.
6,967,263	B2	11/2005	Narvel
6,969,787	B2	11/2005	Eby
6,972,353	B2	12/2005	Eby
6,972,354	B2	12/2005	Eby
6,972,355	B2	12/2005	Eby
6,979,760	B2	12/2005	Eby et al.
6,982,367	B2	1/2006	Eby et al.
7,141,722	B2	11/2006	Fincher et al.
7,608,761	B2	10/2009	Baley et al.
7,632,985	B2	12/2009	Malven et al.
7,812,224	B2	10/2010	Weeks et al.
7,838,729	B2	11/2010	Feng et al.
7,855,326	B2	12/2010	Feng et al.
7,884,262	B2	2/2011	Clemente et al.
7,939,721	B2	5/2011	Arnevik et al.
8,053,184	B2	11/2011	Malven et al.
8,119,380	B2	2/2012	Weeks et al.
8,207,092	B2	6/2012	Bhatti et al.
8,501,407	B2	8/2013	Brinker et al.
8,629,323	B2	1/2014	Weeks et al.
9,017,947	B2	4/2015	Malven et al.

OTHER PUBLICATIONS

Allard, In: Principles of Plant Breeding, Chapter 6 through Chapter 9, University of California, Davis, California, John Wiley & Sons, New York, pp. 50-98, 1960.

Eshed et al., "Less-than-additive epistatic interactions of quantitative trait loci in tomato," *Genetics*, 143:1807-1817, 1996.

Fehr, "Breeding methods for cultivar development," In: Soybeans: Improvement, Production and Uses, 2nd Edition, Wilcox et al., (Eds.), Madison, Wisconsin, 16, pp. 249 and 259, 1987.

Fehr, Iowa State University, "Principles of Cultivar Development," vol. 1 Theory and Technique and vol. 2 Crop Species, Soybean, Macmillian Publishing Company, New York, pp. 360-376, 1987.

Kraft et al., "Linkage disequilibrium and fingerprinting in sugar beet," *Theor. Appl. Genet*, 101:323-326, 2000.

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Primary Examiner — Brent Page

(74) *Attorney, Agent, or Firm* — Dentons US LLP

(57) **ABSTRACT**

The invention relates to the soybean variety designated 01050923. Provided by the invention are the seeds, plants and derivatives of the soybean variety 01050923. Also provided by the invention are tissue cultures of the soybean variety 01050923 and the plants regenerated therefrom. Still further provided by the invention are methods for producing soybean plants by crossing the soybean variety 01050923 with itself or another soybean variety and plants produced by such methods.

21 Claims, No Drawings