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**Ren**

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(54) **ECHINACEA PLANT NAMED**  
**'BALSOMTRESGO'**

(50) Latin Name: *Echinacea x hybrida*  
Varietal Denomination: **Balsomtresgo**

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(52) **U.S. Cl.**  
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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of *Echinacea* plant named  
'Balsomtresgo', characterized by its single-type, rose-col-  
ored inflorescences that first open a peach-coral color and  
fade to a burgundy color with age, medium green-colored  
foliage, and moderately vigorous, compact-upright growth  
habit, is disclosed.

**1 Drawing Sheet**

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Latin name of genus and species of plant claimed: *Echi-  
nacea x hybrida*.  
Variety denomination: 'Balsomtresgo'.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar  
of *Echinacea* plant botanically known as *Echinacea x  
hybrida* and hereinafter referred to by the cultivar name  
'Balsomtresgo'.

The new cultivar originated in a controlled breeding  
program in Elburn, Ill. during October 2010. The objective  
of the breeding program was the development of *Echinacea*  
cultivars with a single inflorescence form having imbricate  
ray florets and a well-branched, compact-upright growth  
habit.

The new *Echinacea* cultivar is the result of cross-pollina-  
tion. The female (seed) parent of the new cultivar is the  
proprietary *Echinacea x hybrida* breeding selection coded  
E84-2, not patented, characterized by its single-type,  
medium orange-purple colored ray florets, medium green-  
colored foliage, and moderately vigorous, compact-upright  
growth habit. The male (pollen) parent of the new cultivar is  
from a bulk pollen mix of ten proprietary *Echinacea x  
hybrida* breeding selections coded E84-1 through E84-10,  
not patented, characterized by their single-type, medium to  
dark orange-purple colored ray florets, medium green-col-  
ored foliage, and moderately vigorous, compact-upright  
growth habit. The new cultivar was discovered and selected  
as a single flowering plant within the progeny of the above  
stated cross-pollination during July 2011 in a controlled  
environment in Elburn, Ill.

Asexual reproduction of the new cultivar by in vitro shoot  
propagation since July 2011 in West Chicago, Ill. has  
demonstrated that the new cultivar reproduces true to type

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with all of the characteristics, as herein described, firmly  
fixed and retained through successive generations of such  
asexual propagation.

**SUMMARY OF THE INVENTION**

The following characteristics of the new cultivar have  
been repeatedly observed and can be used to distinguish  
'Balsomtresgo' as a new and distinct cultivar of *Echinacea*  
plant:

1. Single-type, rose-colored inflorescences that first open  
a peach-coral color and fade to a burgundy color with  
age;
2. Medium green-colored foliage; and
3. Moderately vigorous, compact-upright growth habit.

Plants of the new cultivar differ from plants of the female  
and male parents primarily in having a different ray floret  
color from first open through maturity.

Of the many commercially available *Echinacea* cultivars,  
the most similar in comparison to the new cultivar is  
SOMBRERO Baja Burgundy 'Balsombabur', U.S. Plant  
Pat. No. 28,162. However, in side by side comparisons,  
plants of the new cultivar differ from plants of 'Balsom-  
babur' in at least the following characteristics:

1. Plants of the new cultivar have larger diameter inflo-  
rescences than plants of 'Balsombabur';
2. Plants of the new cultivar have a ray floret color  
different from plants of 'Balsombabur'; and
3. Plants of the new cultivar have longer disc florets than  
plants of 'Balsombabur'.

**BRIEF DESCRIPTION OF THE PHOTOGRAPHS**

The accompanying photographs show, as nearly true as it  
is reasonably possible to make the same in color illustrations  
of this type, typical inflorescence and foliage characteristics  
of the new cultivar. Colors in the photographs differ slightly

from the color values cited in the detailed description, which accurately describes the colors of 'Balsomtresgo'. The plants were approximately five months old. The plants were grown in one-gallon containers for approximately 12 weeks in a greenhouse in Elburn, Ill. followed by 4 weeks in an open-sided polyhouse in West Chicago, Ill.

FIG. 1 illustrates a side view of the overall growth and flowering habit of 'Balsomtresgo'.

FIG. 2 illustrates a close-up view of an individual inflorescence of 'Balsomtresgo'.

#### DETAILED BOTANICAL DESCRIPTION

The new cultivar has not been observed under all possible environmental conditions to date. Accordingly, it is possible that the phenotype may vary somewhat with variations in the environment, such as temperature, light intensity, and day length, without, however, any variance in genotype.

The chart used in the identification of colors described herein is The R.H.S. Colour Chart of The Royal Horticultural Society, London, England, 2015 edition, except where general color terms of ordinary significance are used. The color values were determined in July 2018 under natural light conditions in West Chicago, Ill.

The following descriptions and measurements describe approximately five-month old plants produced from in vitro plantlets and grown utilizing a soilless growth medium under conditions comparable to those used in commercial practice. The plants were grown in one-gallon containers for approximately 12 weeks in a greenhouse in Elburn, Ill. followed by 4 weeks in an open-sided polyhouse in West Chicago, Ill. Greenhouse temperatures in Elburn, Ill. were maintained at approximately 65° F. to 70° F. (18.3° C. to 21.1° C.) during the day and approximately 55° F. to 60° F. (12.8° C. to 15.6° C.) during the night. No supplemental lighting was provided. Measurements and numerical values represent averages of typical plants.

Botanical classification: *Echinacea* x *hybrida* 'Balsomtresgo'.

Parentage:

*Female parent*.—Proprietary *Echinacea* x *hybrida* breeding selection coded E84-2, not patented.

*Male parent*.—A bulk pollen mix of ten proprietary *Echinacea* x *hybrida* breeding selections coded E84-1 through E84-10, not patented.

Propagation:

*Type*.—In vitro propagation is preferred, divisions are possible.

*Time to initiate roots in vitro*.—Approximately 30 days at 18° C.

*Time to produce a rooted plantlet in summer*.—Approximately 30 days at 18° C.

*Root description*.—Fine, fibrous; grey to light brown in color.

*Rooting habit*.—Moderate density, moderate branching.

Plant description:

*Commercial crop time*.—Approximately 10 to 12 weeks from a rooted tissue culture plantlet to finish in a 15 cm container.

*Growth habit and general appearance*.—Herbaceous perennial, moderately vigorous, compact-upright.

*Hardiness*.—USDA Zone 5a (−20° F. to −15° F./−28.9 ° C. to −26° C.).

*Size*.—Height from soil level to top of plant plane: Approximately 45.0 cm. Width: Approximately 40.0 cm.

*Branching habit*.—No lateral branching, flowering stems grow from base. Quantity of main stems per plant: Approximately 6.

*Stems*.—Strength: Very strong. Aspect: Nearly erect. Shape: Rounded. Length to base of inflorescence: Approximately 28.0 cm. Diameter: Approximately 5.0 mm to 1.0 cm. Length of central internode: Approximately 4.0 cm. Texture: Densely pubescent with short strigose hairs. Color of young and mature stems: 145A to 145B.

Foliage description:

*General description*.—Form: Simple. Arrangement: Alternate.

*Leaves*.—Aspect: Perpendicular to stem, subtending with age. Shape: Narrowly ovate to lanceolate. Margin: Entire to shallowly serrate, slightly undulate. Apex: Acute. Base: Attenuate. Venation pattern: Pinnate. Length of mature leaf: Approximately 16.0 cm. Width of mature leaf: Approximately 5.5 cm. Texture of upper surface: Dull, moderately pubescent with short strigose hairs. Texture of lower surface: Moderately pubescent with short strigose hairs. Color of upper surface of young and mature foliage: Closest to NN137A with venation of 145C. Color of lower surface of young and mature foliage: Closest to 147B with venation of 145C.

*Petiole*.—Shape: V-shaped. Length: Approximately 5.0 cm to 12.0 cm. Diameter: Approximately 2.0 mm to 3.0 mm. Texture of upper surface: Glabrous. Texture of lower surface: Sparsely covered with very short strigose hairs. Color of upper and lower surfaces: 145B to 145C occasionally with an overlay of 187A on upper surface.

Flowering description:

*Flowering habit*.—'Balsomtresgo' is freely flowering under outdoor growing conditions blooming from late spring through late summer and with limited flowering under short winter days in a greenhouse environment.

*Lastingness of individual inflorescence on the plant*.—Approximately 3 weeks.

Inflorescence description:

*General description*.—Type: Solitary, composite. Persistent. Shape: Conical. Aspect: Facing upward. Arrangement: Terminal, held upright on strong peduncles. Fragrance: Faintly sweet. Quantity per plant: Approximately 18. Height: Approximately 4.0 cm. Diameter: Approximately 8.5 cm.

*Peduncle*.—Strength: Strong. Aspect: Erect to approximately 45° from vertical. Length: Approximately 15.0 cm. Diameter: Approximately 3.0 mm to 4.0 mm. Texture: Densely pubescent with short strigose hairs. Color: 145A to 145B.

*Bud*.—Quantity per plant: Approximately 4. Shape: Flattened globular with immature ray florets nearly erect. Length: Approximately 1.5 cm. Diameter: Approximately 2.0 cm. Color: Outer ray florets of 154D with bud center of 143A.

*Ray florets*.—Quantity per inflorescence: Approximately 18. Arrangement: In a single whorl, slightly imbricate. Aspect: Perpendicular to disc, subtending slightly with age. Shape: Elliptic. Appearance: Dull.

Margin: Entire. Apex: Emarginate to notched. Base: Attenuate. Length: Approximately 4.3 cm. Width: Approximately 1.2 cm. Texture of upper surface: Glabrous, ribbed longitudinally. Texture of lower surface: Sparsely pubescent, ribbed longitudinally. Color of upper surface when first open: 35A with an overlay of 50A to 50B. Color of lower surface when first open: NN155A with an overlay of 59C to 59D. Color of upper surface when fully open: 50B with an overlay of 187D, with age darkens to 187C to 187D. Color of lower surface when fully open: 146D with closest to 185C.

*Disc florets*.—Disc diameter: Approximately 4.0 cm. Quantity per inflorescence: Approximately 240. Arrangement: Spirally arranged in center of inflorescence. Shape: Tubular. Margin of free portion: Entire. Apex: Five acute tips. Base: Fused into a tube. Length: Approximately 1.1 cm. Diameter: Approximately 2.0 mm. Texture: Glabrous. Color of upper or inner surface when first and fully open: 145C with 187A at tips. Color of lower or outer surface when first and fully open: Upper third 146D with 187A at tips, midsection of 145B and base of 155D.

*Receptacle*.—Shape: Conical. Height: Approximately 1.6 cm. Diameter: Approximately 1.0 cm. Color: 155D.

*Phyllaries*.—Quantity per inflorescence Approximately 50. Arrangement: In multiple whorls. Appearance: Dull, stiff. Shape: Narrowly ovate to lanceolate, strongly curved towards the peduncle. Margin: Entire, ciliate. Apex: Acute. Base: Truncate. Length: Approximately 1.1 cm to 1.5 cm. Width:

Approximately 2.0 mm to 3.0 mm. Texture of upper or inner surface: Glabrous. Texture of lower or outer surface: Sparsely pubescent with short strigose hairs. Color of upper surface: 137A. Color of lower surface: 137B.

*Receptacle spines*.—Number of spines per disc: Approximately 240. Shape: Acicular. Length: Approximately 1.5 cm. Width at widest point: Approximately 2.0 mm. Apex: Acute. Base: Truncate. Texture: Glabrous. Color: Apex of 167B with an overlay and tip of 187A, mid-section of 144A, and base of 155D.

*Reproductive organs*.—Androecium: Present on disc florets only. Stamen quantity: 5 per floret. Anther shape: Oblong, basifixed. Anther length: Approximately 3.0 mm. Anther color: Closest to 203B. Filament length: Approximately 4.0 mm. Filament color: 145D. Pollen amount: Abundant. Pollen color: 14A. Gynoecium: Present on disc florets only. Pistil quantity: 1 per floret. Pistil length: Approximately 1.1 cm. Stigma shape: Bifid. Stigma length: Approximately 2.0 mm. Stigma color: 187A. Style length: Approximately 8.0 mm. Style color: 145D. Ovary length: Approximately 1.5 mm. Ovary color: 155D.

Seed and fruit production: Neither seed nor fruit production has been observed.

Disease and pest resistance: No particular resistance or susceptibility to other diseases or insects noted to date.

What is claimed is:

1. A new and distinct cultivar of *Echinacea* plant named 'Balsomtresgo', substantially as herein illustrated and described.

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FIG. 1



FIG. 2