



US00PP27858P3

**(12) United States Plant Patent
Ren****(10) Patent No.: US PP27,858 P3****(45) Date of Patent: Apr. 4, 2017****(54) ECHINACEA PLANT NAMED 'BALSCLEMC'****(50) Latin Name: *Echinacea*×*hybrida*
Varietal Denomination: **Balsclemc******(71) Applicant: Ball Horticultural Company, West
Chicago, IL (US)****(72) Inventor: Jianping Ren, Geneva, IL (US)****(73) Assignee: Ball Horticultural Company, West
Chicago, IL (US)****(*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 86 days.**(21) Appl. No.: 14/756,228****(22) Filed: Aug. 19, 2015****(65) Prior Publication Data**

US 2017/0055425 P1 Feb. 23, 2017

(51) Int. Cl.
A01H 5/02 (2006.01)**(52) U.S. Cl.**
USPC **Plt./428****(58) Field of Classification Search**
USPC **Plt./428**
See application file for complete search history.**(56) References Cited**

U.S. PATENT DOCUMENTS

7,982,110 B2* 7/2011 Ren A01H 5/12
435/410

* cited by examiner

Primary Examiner — Anne Grunberg

(74) Attorney, Agent, or Firm — Audrey Charles**(57) ABSTRACT**A new and distinct cultivar of *Echinacea* plant named 'Balsclemc', characterized by its double-type, creamy-yellow colored ray florets, medium green-colored foliage, and moderately vigorous, compact-upright growth habit, is disclosed.**1 Drawing Sheet****1**Latin name of genus and species of plant claimed: *Echinacea*×*hybrida*.

Variety denomination: 'Balsclemc'.

BACKGROUND OF THE INVENTIONThe present invention relates to a new and distinct cultivar of *Echinacea* plant botanically known as *Echinacea*×*hybrida* and hereinafter referred to by the cultivar name 'Balsclemc'.The new cultivar originated in a controlled breeding program in Elburn, Ill. The objective of the breeding program was the development of *Echinacea* cultivars with a double inflorescence form and a well-branched growth habit.The new *Echinacea*×*hybrida* cultivar is a naturally-occurring sport of Double Scoop Raspberry 'Balsceras', U.S. Plant Pat. No. 23,117 and U.S. Pat. No. 7,982,110, characterized by its double-type, coral-orange with purple colored inflorescences, medium green-colored foliage, and moderately vigorous, upright growth habit. The new cultivar was discovered as a side shoot and selected during May 2010 in a controlled environment in Elburn, Ill.

Asexual reproduction of the new cultivar by in vitro propagation since May 2010 in West Chicago, Ill. has demonstrated that the new cultivar reproduces true to type with all of the characteristics, as herein described, firmly fixed and retained through successive generations of such asexual propagation.

SUMMARY OF THE INVENTIONThe following characteristics of the new cultivar have been repeatedly observed and can be used to distinguish 'Balsclemc' as a new and distinct cultivar of *Echinacea* plant:**2**

1. Double-type, creamy-yellow colored ray florets;
2. Medium green-colored foliage; and
3. Moderately vigorous, compact-upright growth habit.

Of the many commercially available *Echinacea* cultivars, the most similar in comparison to the new cultivar is the parent Double Scoop Raspberry 'Balsceras', U.S. Plant Pat. No. 23,117 and U.S. Pat. No. 7,982,110. However, in side by side comparisons, plants of the new cultivar differ from plants of 'Balsceras' in at least the following characteristics:

1. Plants of the new cultivar have a ray and disc floret color different from plants of 'Balsceras'; and
2. Plants of the new cultivar are shorter than plants of 'Balsceras'.

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 'Balsclemc'. The plants were transplanted from one-gallon containers and grown in a garden-type bed for 3 months in West Chicago, Ill.

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

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

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, 2007 edition, except where
5 general color terms of ordinary significance are used. The color values were determined in August 2015 under natural light conditions in West Chicago, Ill.

The following descriptions and measurements describe
10 plants produced from in vitro plantlets and grown under conditions comparable to those used in commercial practice. The plants were transplanted from one-gallon containers and grown in a garden-type bed for 3 months in West Chicago, Ill. During this period the temperature ranged from a low of
15 41° F. (5° C.) and a high of 93° F. (34° C.). Measurements and numerical values represent averages of typical plants. Botanical classification: *Echinacea* hybrid cultivar Balsclemc.

Parentage:

Parent.—Double Scoop Raspberry ‘Balsceras’, U.S. Plant Pat. No. 23,117 and U.S. Pat. No. 7,982,110.

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 12 to 14
35 weeks from a rooted tissue culture plantlet to finish in a one-gallon container.

Growth habit and general appearance.—Compact-upright, herbaceous perennial.

Growth rate.—Moderately vigorous.

Outdoor plant performance.—Use as bedding plants or in mixed-container plantings; at least tolerant to temperatures up to 35° C. and hardy to USDA zone 4.

Size.—Height from soil level to top of plant plane:
45 Approximately 44.0 cm. Width: Approximately 36.0 cm.

Branching habit.—No lateral branching, flowering stems grow from base. Quantity of main stems per plant: Approximately 3.

Stems.—Strength: Very strong. Aspect: Nearly erect. Shape: Round in cross-section. Length to base of inflorescence: Approximately 38.0 cm. Diameter: Approximately 5.0 mm. Length of central internode: Approximately 4.7 cm. Texture: Densely pubescent
55 with short strigose hairs. Color of young and mature stems: 144A to 144B.

Foliage description:

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

Leaves.—Aspect: Perpendicular to stem, subtending with age. Shape: Ovate to narrowly ovate. Margin: Entire, slightly undulate. Apex: Acute. Base: Attenuate. Venation pattern: Pinnate. Length of mature leaf: Approximately 9.5 cm. Width of mature leaf:
65 Approximately 4.0 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 137B with venation of 145C. Color of lower surface of young and mature foliage: Closest to 138B with venation of 147C.

Petiole.—Shape: V-shaped. Length: Approximately 2.0 cm. Diameter: Approximately 7.0 mm. Texture of upper surface: Glabrous. Texture of lower surface: Glossy, sparsely covered with very short strigose hairs. Color of upper and lower surfaces: Closest to 145C.

Flowering description:

Flowering habit.—‘Balsclemc’ is freely flowering under outdoor growing conditions blooming from spring through autumn 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, anemone-type double, composite. Persistent. Shape: Hemispherical. Aspect: Facing upward. Arrangement: Terminal, held upright on strong peduncles. Fragrance: Faintly sweet. Quantity per plant: Approximately 7. Height: Approximately 6.0 cm. Diameter: Approximately 6.5 cm.

Peduncle.—Strength: Strong. Aspect: Erect to approximately 45° from vertical. Length: Approximately 15.5 cm. Diameter: Approximately 4.0 mm. Texture: Densely pubescent with short strigose hairs. Color: 145A.

Bud.—Quantity per plant: Approximately 2. Shape: Flattened globular with immature ray florets nearly erect. Length: Approximately 1.9 cm. Diameter: Approximately 2.5 cm. Color: Outer ray florets of 18C with a bud center of 143A.

Ray florets.—Quantity per inflorescence: Approximately 16. Arrangement: In a single whorl, slightly imbricate. Aspect: Subtending. Shape: Narrowly elliptic. Appearance: Dull. Margin: Entire. Apex: Two to three acute tips. Base: Attenuate. Length: Approximately 3.8 cm. Width: Approximately 1.0 cm. Texture of upper and lower surfaces: Glabrous, ribbed longitudinally. Color of upper surface when first open: 18A at apex transitioning to 18C at base. Color of lower surface when first and fully open: 2D. Color of upper surface when fully open: 18B with 18C at base, fading to 10D with age.

Disc florets.—Disc diameter: Approximately 4.0 cm. Quantity per inflorescence: Approximately 275. Arrangement: Spirally arranged in center of inflorescence. Shape: Tubular, free portion linear. Margin of free portion: Entire. Apex: Five acute tips. Base: Fused into a tube. Length: Approximately 1.4 cm. Length of free portion: Approximately 3.0 mm. Diameter: Approximately 3.0 mm. Texture: Glabrous. Color of upper or inner surface when first and fully open: 18D with 18C at tips. Color of lower or outer surface when first and fully open: 18D with 18C at tips, center of 144A, and base of 145D.

Receptacle.—Shape: Conical. Height: Approximately 1.5 cm. Diameter: Approximately 1.0 cm. Color: 155D.

Phyllaries.—Quantity per inflorescence Approximately 55. Arrangement: In a three whorls. Appearance: Dull, stiff. Shape: Narrowly ovate to lanceolate, strongly curved towards the peduncle. Margin: Entire. Apex: Acute. Base: Truncate. Length: 5
Approximately 1.1 cm. Width: Approximately 2.0 to 3.0 mm. Texture of upper or inner surface: Glabrous. Texture of lower or outer surface: Moderately pubescent with short strigose hairs. Color of upper surface: 137A. Color of lower surface: 137B. 10

Receptacle spines.—Number of spines per disc: Approximately 275. Shape: Acicular. Length: Approximately 1.4 cm. Width at widest point: Approximately 2.0 mm. Apex: Acute. Base: Truncate. Texture: Glabrous. Color: Apex of 17A, mid- 15
section of 146A, and base of 155D.

Reproductive organs.—Androecium: Present on disc florets only. Stamen quantity: 5 per floret. Anther shape: Oblong, basifixed. Anther length: Approxi-

mately 3.0 mm. Anther color: Closest to 203B. Filament length: Approximately 2.0 mm. Filament color: NN155D, often browned 199B. Pollen amount: Moderate. Pollen color: 14A. Gynoecium: Present on disc florets only. Pistil quantity: 1 per floret. Pistil length: Approximately 1.2 cm. Stigma shape: Bifid. Stigma length: Approximately 2.0 mm. Stigma color: 145C. Style length: Approximately 8.0 mm. Style color: NN155D. Ovary length: Approxi-
mately 3.0 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 'Balsclemc', substantially as herein illustrated and described.

* * * * *



FIG. 1



FIG. 2