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(12) **United States Plant Patent**
Talmadge

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(54) **DIASCIA PLANT NAMED 'BALWINORG'**

(58) **Field of Classification Search** Plt./263
See application file for complete search history.

(50) Latin Name: *Diascia*×*hybrida*
Varietal Denomination: **Balwinorg**

(56) **References Cited**

(75) Inventor: **Paul A. Talmadge**, Orcutt, CA (US)

PUBLICATIONS

(73) Assignee: **Ball Horticultural Company**, West
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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 5 days.

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(57) **ABSTRACT**

(22) Filed: **Dec. 7, 2005**

A new and distinct cultivar of *Diascia* plant named 'Balwinorg' characterized by its orange-colored flowers, medium green-colored foliage, and moderately vigorous, upright and spreading growth habit.

(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./263**

1 Drawing Sheet

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Latin name of genus and species of plant claimed: *Diascia*×*hybrida*.

Variety denomination: 'Balwinorg'.

BACKGROUND OF THE INVENTION

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

The new cultivar originated in a controlled breeding program in Guadalupe, Calif. during December 2002. The objective of the breeding program was the development of *Diascia* cultivars with continuous flowering, medium green-colored foliage, and well-branched, upright and spreading growth habit.

The female (seed) parent of the new cultivar was the proprietary *Diascia*×*hybrida* breeding selection designated 3795a-1, not patented, characterized by its deep orange-colored flowers, medium green-colored foliage, and upright growth habit. The male (pollen) parent of the new cultivar was the proprietary *Diascia*×*hybrida* breeding selection designated 3057-4-4-2-2, not patented, characterized by its apricot-colored flowers, small-size dark green-colored foliage, and upright spreading growth habit. The new *Diascia* was discovered and selected by the inventor as a single flowering plant within the progeny of the above stated cross-pollination during March 2003 in a controlled environment at Guadalupe, Calif.

Asexual reproduction of the new cultivar by terminal stem cuttings since March 2003 at Guadalupe, Calif. and West Chicago, Ill. has demonstrated that the new cultivar reproduces true to type with all 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 'Balwinorg' as a new and distinct cultivar of *Diascia* plant:

1. Orange-colored flowers;
2. Medium green-colored foliage; and
3. Moderately vigorous, upright and spreading growth habit.

Plants of the new cultivar differ from plants of the female parent primarily in growth habit and from plants of the male parent primarily in flower color.

Of the many commercially available *Diascia* cultivars known to the inventor, the most similar in comparison to the new cultivar is 'Balwhistang', not patented. However, in side by side comparisons, plants of the new cultivar differ from plants of 'Balwhistang' in the following characteristics:

1. Plants of the new cultivar are less floriferous than plants of 'Balwhistang'; and
2. Plants of the new cultivar are less spreading than plants of 'Balwhistang'.

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 flower 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 color of 'Balwinorg'. The plants were grown in 10 cm pots for 7 weeks in a greenhouse at West Chicago, Ill.

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

FIG. 2 illustrates a close-up view of an individual flower of 'Balwinorg'.

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, 2001 edition, except where general color terms of ordinary significance are used. The color values were determined on Jul. 11, 2005 between 3:00 p.m. and 4:00 p.m. under natural light conditions, in West Chicago, Ill.

The following descriptions and measurements describe plants produced from cuttings taken from stock plants and grown in a double polycarbonate-covered greenhouse under conditions comparable to those used in commercial practice. The plants were grown at West Chicago, Ill. in 10 cm pots for 7 weeks utilizing a soilless growth medium. Greenhouse temperatures were maintained at approximately 62° F. to 75° F. (17° C. to 24° C.) during the day and approximately 52° F. to 60° F. (11° C. to 15° C.) during the night. Greenhouse light levels of 5,000 to 8,000 footcandles were maintained during the day.

Botanical classification: *Diasciaxhybrida* cultivar Balwinorg.

Parentage:

Female parent.—Proprietary *Diasciaxhybrida* breeding selection designated 3795a-1, not patented.

Male parent.—Proprietary *Diasciaxhybrida* breeding selection designated 3057-4-4-2-2, not patented.

Propagation:

Type cutting.—Terminal stem.

Time to initiate roots.—Approximately 6 to 9 days.

Time to produce a rooted cutting.—Approximately 21 to 28 days.

Root description.—Fibrous.

Rooting habit.—Freely branching.

Plant description:

Crop time.—Approximately 5 to 7 weeks from a rooted cutting.

Growth habit and general appearance.—Moderately vigorous, upright and spreading.

Size.—Height from soil level to top of plant plane: Approximately 19.0 cm. Width: Approximately 36.4 cm.

Branching habit.—Freely basal branching. Pinching improves branching. Approximately 8 branches per plant with lateral branches potentially forming at every node.

Branch.—Strength: Moderate. Shape: Square in cross section. Length: Approximately 26.2 cm. Diameter: Approximately 2.1 mm. Texture: Glabrous. Color: Closest to 144B with overlay of 183B. Internode length at center of branch: Approximately 2.2 cm.

Foliage.—Number of leaves per main branch: Approximately 8. Fragrance: None. Form: Simple. Arrangement: Opposite. Aspect: Petiole is at an acute angle to stem and leaf blade is at a right angle to stem. Shape: Ovate. Margin: Dentate. Apex: Acute. Base: Truncate. Venation pattern: Pinnate. Length of mature leaf: Approximately 2.8 cm. Width of mature leaf: Approximately 1.5 cm. Texture of upper and lower surfaces: Glabrous. Color of upper surface of mature foliage: 137C with venation of 146A. Color of lower surface of mature foliage: Closest to 138B with venation of 144C. Petiole length: Approximately 5.8 mm. Petiole diameter: Approximately 1.2 mm. Petiole texture: Glabrous. Petiole color: 144C.

Flowering description:

Flowering habit.—‘Balwinorg’ is freely flowering under outdoor growing conditions with substantially continuous blooming from spring through autumn and year round in greenhouse environment.

Time to first flower.—Approximately 9.5 weeks from sticking of an unrooted cutting.

Lastingness of individual bloom.—Approximately 3 to 4 days.

Flower description:

Type.—Solitary, five lobed and zygomorphic. Quantity per plant: Approximately 92 at 7 weeks. Arrangement: Terminal racemes. Fragrance: None.

Bud rate of opening.—Generally takes 2 to 3 days for bud to progress from first color to fully open flower.

Bud just before opening.—Shape: Ovate. Length: Approximately 6.9 mm. Width: Approximately 6.9 mm. Texture: Pubescent. Color: Closest to 36B.

Corolla.—Shape: Ovate. Width: Approximately 1.8 cm. Length: Approximately 2.0 cm. Depth: Approximately 4.3 mm.

Petals.—Quantity: 5 fused at base with upper and lateral petals forming spurs. Shape: Obovate. Aspect: Downward turning at edges. Appearance: Iridescent. Margin: Entire.

Two upper petals.—Apex: Acute. Length: Approximately 6.6 mm. Width: Approximately 4.7 mm. Texture of upper surface: Glabrous. Texture of lower surface: Glabrous at margin and stipulate-glandular at base. Gland color: N92B. Color of upper surface: Closest to 33C. Color of lower surface: Closest to 37A. Length of indentation at base: Approximately 4.0 mm. Width of indentation at base: Approximately 3.0 mm. Color of indentation at base: Two narrow elliptical areas of 6B surrounded by a narrow band of N79A.

Two lateral petals.—Apex: Acute. Length: Approximately 6.8 mm. Width: Approximately 6.9 mm. Texture of upper surface: Glabrous. Texture of lower surface: Stipulate-glandular. Color of upper surface: Closest to 33C. Color of lower surface: Closest to 37D at base with 37B at margin.

Single lower petal.—Apex: Obtuse. Length: Approximately 1.2 cm. Width: Approximately 1.3 cm. Texture of upper surface: Glabrous. Texture of lower surface: Stipulate-glandular. Color of upper surface: Closest to 33C. Color of lower surface: Closest to 37D at base with 37B at margin. Gland color: N92B.

Nectar spur.—Quantity: 2 per flower. Length: Approximately 6.8 mm. Diameter at base: Approximately 2.0 mm. Diameter at tip: Approximately 1.2 mm. Texture: Stipulate-glandular. Color: Closest to 186D with glands of N92B.

Pedice.—Strength: Moderate. Aspect: Acute angle to stem. Length: Approximately 1.7 cm. Diameter: Approximately 0.5 mm. Texture: Stipulate-glandular. Color: 144A with glands of N79A.

Calyx.—Shape: Five-pointed star. Length: Approximately 2.0 mm. Diameter: Approximately 6.0 mm.

Sepals.—Quantity per flower: 5. Shape: Lanceolate. Apex: Acute. Margin: Entire. Length: Approximately 3.0 mm. Width: Approximately 0.8 mm. Texture of upper or inner surface: Glabrous. Texture of lower or outer surface: Stipulate-glandular. Color: Darker than 144A Gland color: N79A

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Reproductive organs.—Androecium: Stamen quantity: 4. Filament length: Approximately 3.0 mm. Filament texture: Glandular pubescent. Gland color: 92C. Filament color: 73D at base, 73B in center and N77A at apex. Anther shape: Oval. Anther length: Approximately 0.8 mm. Anther color: 16B. Pollen amount: Abundant. Pollen color: 12A. Gynoecium: Pistil quantity: One per flower. Pistil length: Approximately 3.2 mm. Stigma shape: Round. Stigma length: Approximately 0.2 mm. Stigma color: 154B. Style length: Approximately 2.0 mm. Style color:

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144C. Ovary length: Approximately 1.0 mm. Ovary color: 144C.

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

Disease and pest resistance: Resistance to pathogens and pests common to *Diascia* has not been observed.

What is claimed is:

1. A new and distinct cultivar of *Diascia* plant named 'Balwinorg', substantially as herein shown and described.

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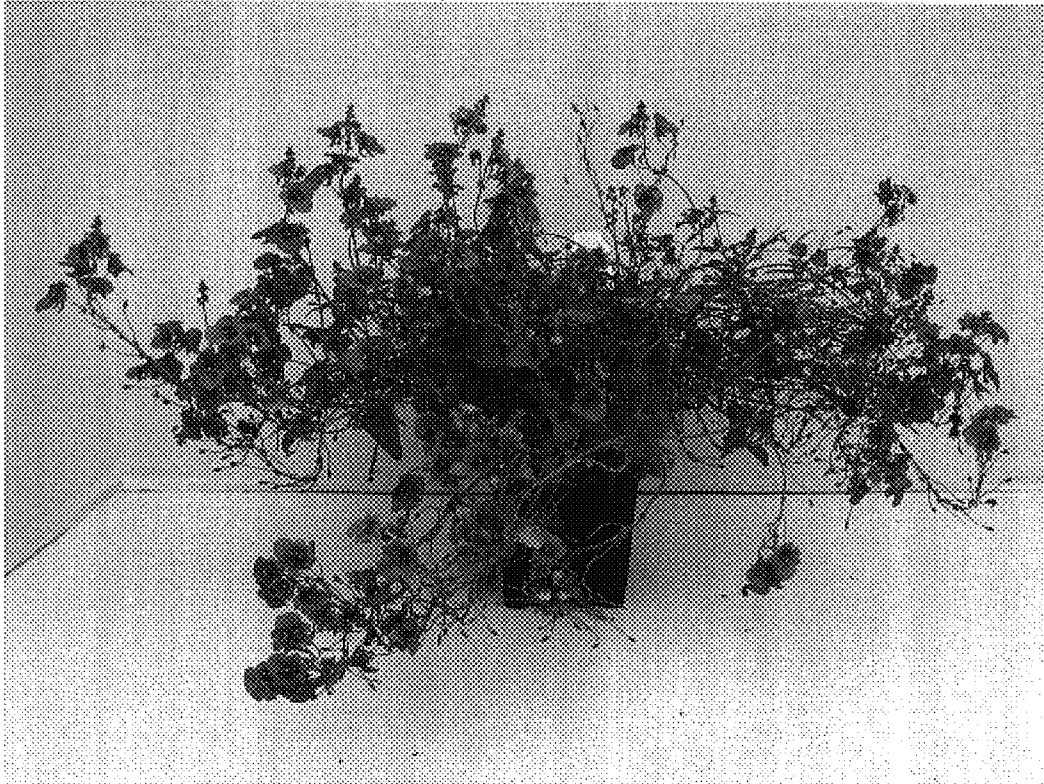


FIG. 1

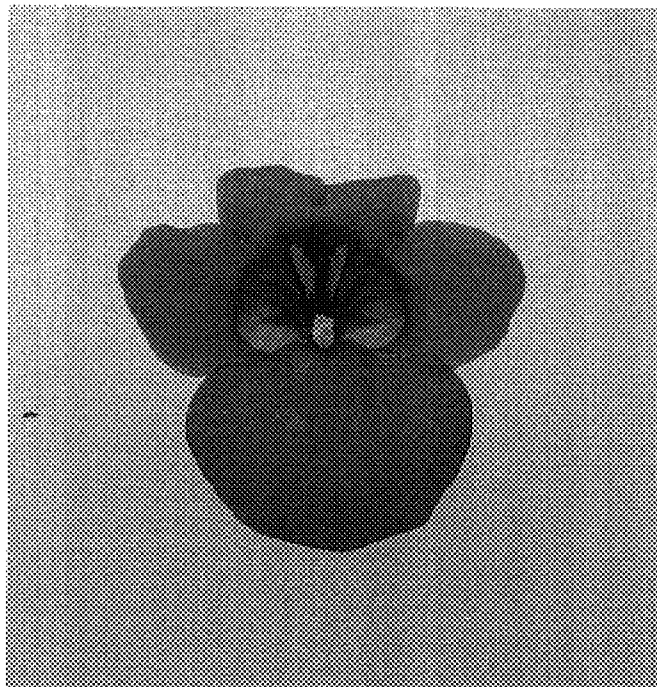


FIG. 2