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

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(54) **DOUBLE *IMPATIENS* PLANT NAMED
'BALFIESALED'**

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

(50) Latin Name: ***Impatiens walleriana***
Varietal Denomination: **Balfiesaled**

(52) **U.S. Cl.** **Plt./317**
(58) **Field of Classification Search** **Plt./317**
See application file for complete search history.

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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 96 days.

(57) **ABSTRACT**

A new and distinct Double *Impatiens* plant named 'Balfiesaled' characterized by its fully double dark red-colored flowers, dark green-colored foliage, compact, upright and mounded growth habit, and good basal branching character.

(21) Appl. No.: **11/011,792**

1 Drawing Sheet

(22) Filed: **Dec. 13, 2004**

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Latin name of genus and species of plant claimed: *Impatiens walleriana*.

Variety denomination: 'Balfiesaled'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of Double *Impatiens* plant botanically known as *Impatiens walleriana* and hereinafter referred to by the cultivar name 'Balfiesaled'.

The new cultivar originated in a controlled breeding program during May 2001 at Elburn, Ill. The objective of the breeding program was the development of new *Impatiens* cultivars with numerous, fully double flowers, excellent basal branching, and upright compact growth habit.

The female (seed) parent of the new cultivar was the proprietary *Impatiens walleriana* selection designated 3389-1-1, not patented, characterized by its semi-double, purple-colored flowers. The male (pollen) parent of the new cultivar was the proprietary *Impatiens walleriana* selection designated 3457-1, not patented, characterized by its cupped flowers. The new cultivar was discovered and selected by the inventor as a single flowering plant within the progeny of the stated cross-pollination during February 2002 at Elburn, Ill.

Asexual reproduction of the new cultivar by terminal stem cuttings since February 2002 at 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 'Balfiesaled' as a new and distinct cultivar of double *Impatiens* plant:

1. Fully double dark red-colored flowers.
2. Dark green-colored foliage.
3. Good basal branching character.
4. Compact, upright and mounted growth habit.

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

Of the many commercially available Double *Impatiens* cultivars known to the inventor, the most similar to the new cultivar is the *Impatiens walleriana* variety 'Salsa Red', U.S. Plant Pat. No. 9,606. However, in a side-by-side comparison conducted at West Chicago, Ill., plants of the new cultivar differed from plants of 'Salsa Red' in the following characteristics:

1. Plants of the new cultivar have smaller leaves than plants of 'Salsa Red'.
2. The flowers of the new cultivar are slightly darker in color than the flowers of 'Salsa Red'.

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 describe the colors of 'Balfiesaled'. The plants were grown for 8 weeks in a greenhouse at West Chicago, Ill.

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

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

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 phenotype.

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. 20, 2004 between 10:00 and 11:45 a.m. under natural light conditions.

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 8 weeks using a soil-less growth medium. Greenhouse temperatures were maintained at approximately 65°–75° F. during the day and approximately 55°–62° F. during the night. Greenhouse light levels were maintained at approximately 4,000–6,000 footcandles during the day.

Botanical classification: *Impatiens walleriana* cultivar Balfiesaled.

Parentage:

Female (seed) parent.—Proprietary *Impatiens walleriana* selection designated 3389-1-1, not patented.

Male (pollen) parent.—Proprietary *Impatiens walleriana* selection designated 3547-1, not patented.

Propagation:

Type cutting.—Terminal stem.

Time to initiate roots.—Approximately 7–14 days with the shorter times generally being experienced in the summer and the longer times in the winter.

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

Root description.—Fine, fibrous.

Rooting habit.—Freely branching.

Plant description:

Crop time.—Approximately 6–9 weeks from planting of rooted cutting to finish.

Growth habit.—Compact with good basal branching.

Form.—Upright and mounded.

Size.—Height from soil level to top of plant plane: Approximately 12.6 cm. Width (area of plant spread): Approximately 27.1.

Branch.—Quantity: Approximately 3 per plant. Strength: Strong. Length: Approximately 10.7 cm. Diameter: Approximately 7 mm. Texture: Glabrous. Color: 148D. Internode length: Approximately 1.6 cm.

Foliage.—Quantity per branch: 18. Fragrance: None. Type: Simple. Arrangement: Alternate. Aspect: At right angle to stem. Shape: Ovate. Apex: Acute. Base: Attenuate. Margin: Crenate/ciliate. Venation pattern: Pinnate, arcuate. Size of mature foliage: Length: Approximately 1.5 cm. Width: Approximately 1.1 cm. Texture of both surfaces: Glabrous. Color of upper surface of mature foliage: Closest to 139A, with veins and mid-vein of 143C. Color of lower surface of mature foliage: Closest to 139C with splotches of 183C and veins and mid-vein of 143C. Petiole length: Approximately 4.8 mm. Petiole diameter: Approximately 0.7 mm. Petiole texture: Both surfaces are glabrous. Petiole color: 148D.

Flowering description:

Flowering habit.—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 7 weeks after planting of rooted cutting.

Lastingness of individual bloom.—Approximately 7–10 days.

Quantity of flowers.—Approximately 24 flowers and 22 buds per plant at any one time.

Flower description:

Flower bud rate of opening.—Generally it takes from 2–4 days to progress from first color to fully open flowers.

Mature flower buds (just before opening).—Shape: Elliptic. Length: Approximately 1.5 cm. Diameter: Approximately 1.1 cm. Color: 43C.

Flower description.—Type: Fully double. Fragrance: None. Shape: Round. Diameter: Approximately 3.8 cm. Depth: Approximately 1.8 cm. Borne: Above foliage facing upward or outward. Flowers are not persistent or fragrant.

Petals.—Quantity per flower: Approximately 22. Shape: Obovate. Margin: Entire. Apex: Emarginate. Base: Attenuate. Texture: Glabrous. Appearance: Iridescent. Size of outermost petals: Length: Approximately 1.6 cm. Width: 1.3 cm. Size of innermost petals: Length: 1.1 cm. Width: 9 mm.

Flower color.—Upper surface of petals when fully open: Slightly lighter than 46A. Lower surface of petals when fully open: Closest to 43C.

Calyx.—Quantity of sepals: Three, with the lower sepal modified into a spur. Sepal apex: Acuminate. Sepal texture: Both surfaces are glabrous. Lateral sepal shape: Lanceolate. Lateral sepal apex: Acute. Lateral sepal length: Approximately 4 mm. Lateral sepal width: Approximately 1 mm. Lateral sepal color: Both surfaces are N144D. Lower sepal shape: Ovate. Lower sepal apex: Accuminated. Lower sepal base forms spur. Lower sepal length: Approximately 1.2 cm. Lower sepal width: Approximately 1 cm. Lower sepal color: 145D.

Spur.—Quantity: One per flower. Length: Approximately 9.6 mm. Diameter at base: Approximately 3 mm. Diameter at tip: Approximately 1 mm. Texture: Glabrous. Color: 145C with overlay of 187D and tip of 187A.

Peduncles.—Length: Approximately 1.6 cm. Diameter: Approximately 1 mm. Texture: Glabrous. Strength: Moderate. Angle to stem: Acute. Color: 148D with overlay of 183C.

Reproductive organs.—None observed.

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

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

What is claimed is:

1. A new and distinct cultivar of Double *Impatiens* plant named ‘Balfiesaled’, substantially as herein shown and described.

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FIG. 1

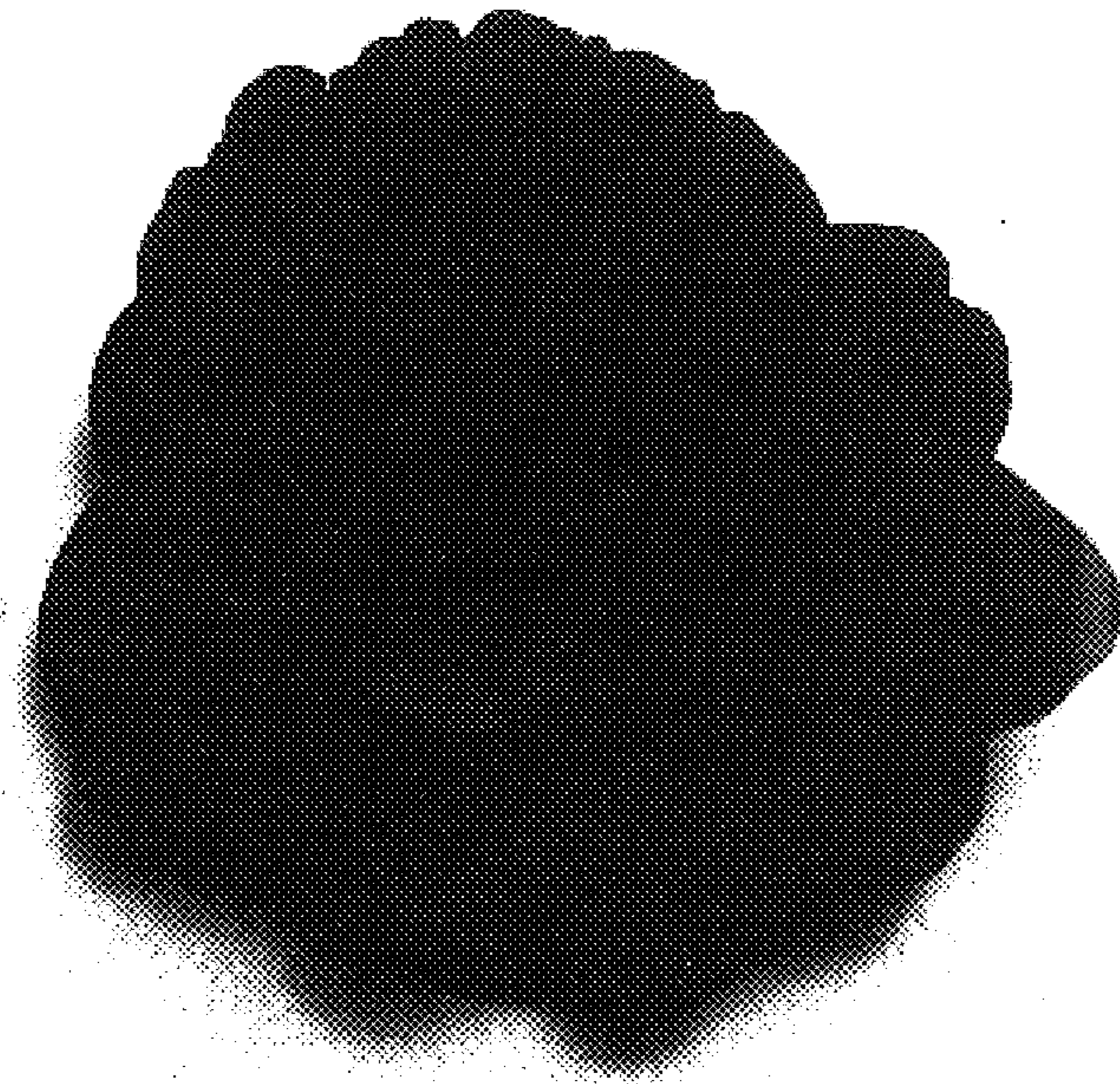


FIG. 2