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

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(54) **IMPATIENS PLANT NAMED**
'BALFUSPEAFRO'

(22) Filed: **Nov. 21, 2006**

(50) Latin Name: *Impatiens walleriana*×*Impatiens auricoma*
Varietal Denomination: **Balfuspeafro**

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

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(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 67 days.

(57) **ABSTRACT**

A new and distinct cultivar of *Impatiens* plant named 'Balfuspeafro', characterized by its single type light orange-colored flowers, variegated green and white-colored foliage, and vigorous, semi-upright growth habit.

(21) Appl. No.: **11/602,863**

1 Drawing Sheet

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2

Latin name of genus and species of plant claimed: *Impatiens walleriana*×*Impatiens auricoma*.
Variety denomination: 'Balfuspeafro'.

U.S. Plant Pat. No. 15,196. However, in side by side comparisons, plants of the new cultivar differ from plants of 'Balfusradn' in the following characteristics:

BACKGROUND OF THE INVENTION

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

1. Plants of the new cultivar have a foliage color different than plants of 'Balfusradn'; and
2. Plants of the new cultivar have fewer flowers than plants of 'Balfusradn'.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The new cultivar originated in a controlled breeding program in Cartago, Costa Rica during November 2003. The objective of the breeding program was the development of *Impatiens* hybrid cultivars with numerous flowers, unique flower coloration and flower shape, excellent basal branching, and an upright, compact to moderate growth habit.

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 colors of 'Balfuspeafro'. The plants were grown in 4.5 inch pots for 8 weeks in a greenhouse at West Chicago, Ill.

The new *Impatiens* cultivar is a naturally occurring sport of Fusion™ Radiance 'Balfusradn', U.S. Plant Pat. No. 15,196, characterized by its single type light orange-colored flowers, medium green-colored foliage, and upright-mounded growth habit. The new cultivar was discovered as a side shoot and selected on August 2005 in a controlled environment at Cartago, Costa Rica.

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

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

Asexual reproduction of the new cultivar by terminal stem cuttings since August 2005 at Cartago, Costa Rica, Arroyo Grande, Calif. and 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.

DETAILED BOTANICAL DESCRIPTION

SUMMARY OF THE INVENTION

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

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.

1. Single type light orange-colored flowers;
2. Variegated green and white-colored foliage; and
3. Vigorous, semi-upright growth habit.

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 May 23, 2006 between 9:00 a.m. and 11:00 a.m. under natural light conditions in West Chicago, Ill.

Of the many commercially available *Impatiens* cultivars known to the inventor, the most similar in comparison to the new cultivar is the parent Fusion™ Radiance 'Balfusradn',

The following descriptions and measurements describe plants produced from cuttings taken from stock plants and grown in a glass-covered greenhouse under conditions comparable to those used in commercial practice. The plants were grown at West Chicago, Ill. in 4.5 inch pots for 8 weeks utilizing a soilless growth medium. Greenhouse tempera-

tures were maintained at approximately 70° F. to 77° F. (21° C. to 25° C.) during the day and approximately 65° F. to 68° F. (18° C. to 20° C.) during the night. Greenhouse light levels of 2,500 footcandles to 6,000 footcandles were maintained during the day.

Botanical classification: *Impatiens walleriana* × *Impatiens auricomma* cultivar Balfuspeafro.

Parentage:

Parent.—Fusion™ Radiance ‘Balfusradn’, U.S. Plant Pat. No. 15,196.

Propagation:

Type cutting.—Terminal stem.

Time to initiate roots.—Approximately 7 to 8 days.

Time to produce a rooted cutting.—Approximately 21 to 24 days.

Root description.—Fibrous.

Rooting habit.—Freely branching.

Plant description:

Commercial crop time.—Approximately 6 to 9 weeks from a rooted cutting.

Growth habit and general appearance.—Vigorous, semi-upright.

Size.—Height from soil level to top of plant plane: Approximately 9.5 cm. Width: Approximately 27.2 cm.

Branching habit.—Freely basal branching. Quantity of main branches per plant: Approximately 5.

Branch.—Strength: Moderately strong. Length: Approximately 9.7 cm. Diameter: Approximately 4.3 mm. Length of central internode: Approximately 1.8 cm. Texture: Glabrous. Color of young and mature stems: 146D with faint streaks of 187B primarily at nodes.

Foliage description:

General description.—Quantity of leaves per main branch: Approximately 11. Fragrance: None. Form: Simple. Arrangement: Lower leaves alternate and upper leaves in whorls.

Leaves.—Aspect: Petiole is at an acute angle to stem and leaves are perpendicular to an obtuse angle to stem. Shape: Elliptic. Margin: Crenate with ciliation. Apex: Acuminate. Base: Attenuate. Venation pattern: Pinnate. Length of mature leaf at center of stem: Approximately 5.5 cm. Width of mature leaf at center of stem: Approximately 3.4 cm. Texture of upper and lower surfaces: Glabrous. Color of upper surface of young foliage: Variegated with primary color of 138A, irregularly patterned areas of 138B, margins of 153C, and venation of 138B. Color of lower surface of young foliage: Variegated with primary color of 138B, irregularly patterned areas of 138C, margins of 153D, and venation of 138B. Color of upper surface of mature foliage: Variegated with primary color of 138A, irregularly patterned areas of 138C, margins of 155A, and venation of 138B. Color of lower surface of mature foliage: Variegated with primary color of 138B, irregularly patterned areas of 138C, margins of 155A, and venation of 138B.

Petiole.—Length: Approximately 2.6 cm. Diameter: Approximately 2.0 mm. Texture: Glabrous. Color: 138B at least base transitioning to 145D at stem attachment.

Flowering description:

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

Lastingness of individual flower on the plant.—Approximately 7 to 8 days.

Flower description:

General description.—Type: Single. Quantity per plant: Approximately 28. Fragrance: None.

Bud.—Rate of opening: Generally takes 3 to 4 days for bud to progress from first color to fully open flower. Quantity showing color per plant: Approximately 11.

Bud just before opening.—Shape: Ovoid. Length: Approximately 1.1 cm. Diameter: Approximately 9.2 mm. Color: 32D.

Corolla.—Shape: Oval, cupped when first open, becoming flatter with age. Length: Approximately 3.3 cm. Width: Approximately 2.4 cm. Depth: Approximately 1.4 cm. Borne: Above and below the foliage.

Petals.—Quantity: 5. Shape of upper petal: Cucullate. Shape of lateral and lower petals: Obovate. Aspect: Cupped. Appearance: Iridescent. Margin: Entire. Apex of upper petal: Emarginate. Apex of lateral and lower petal: Obtuse. Base of upper petal: Truncate. Base of lateral and lower petals: Attenuate. Length of upper petal: Approximately 1.3 cm. Width of upper petal: Approximately 1.5 cm. Length of lateral petals: Approximately 1.5 cm. Width of lateral petals: Approximately 1.7 cm. Length of lower petals: Approximately 2.2 cm. Width of lower petals: Approximately 1.5 cm. Texture of upper and lower surfaces: Glabrous. Color of upper surface when first open and fully open: 29B with an eye of 46A. Lateral petals have a faint spot of 29A near the lower edge, and lower petals have a spot of 28A on lower portion. Color of lower surface when first and fully open: 29C.

Spur.—Quantity: 1 per flower, double-tipped. Aspect: Moderately curved downward. Length: Approximately 1.7 cm. Diameter at tip: Approximately 2.0 mm. Diameter at base: Approximately 3.0 mm. Texture: Glabrous. Color: 36B at base transitioning to 1C toward tip of 145B.

Peduncle.—Strength: Strong. Aspect: Acute angle to stem. Length: Approximately 2.5 cm. Diameter: Approximately 1.0 cm. Texture: Glabrous. Color: 145B.

Sepals.—Quantity per flower: 4, with one fused to base of upper petal. Shape of lateral sepals: Elliptic. Shape of lower sepal: Ovate. Base of lower sepal is modified to form a spur. Apex of all sepals: Acuminate. Length of lateral sepals: Approximately 9.1 mm. Width of lateral sepals: Approximately 6.0 mm. Length of lower sepal: Approximately 1.6 cm. Width of lower sepal: Approximately 1.0 cm. Texture of upper and lower surfaces of all sepals: Glabrous. Color of lateral sepals: 36D and apex of 144D. Color of lower sepal: 36C and apex of 144D.

Reproductive organs.—Androecium: Stamen quantity: 5 per flower, fused around pistil at apex. Anther shape: Oval. Anther length: Approximately 1.0 mm. Anther color: 54D. Filament color: 36C. Pollen amount: None observed. Gynoecium: Pistil quantity: 1 per flower. Pistil length: Approximately 5.8 mm. Stigma shape: 5-pointed star. Stigma color: Colorless, translucent. Style color: Colorless, translucent. Ovary texture: Glabrous. Ovary color: 149A.

Seed and fruit production: 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 *Impatiens* plant named ‘Balfuspeafro’, substantially as herein shown and described.

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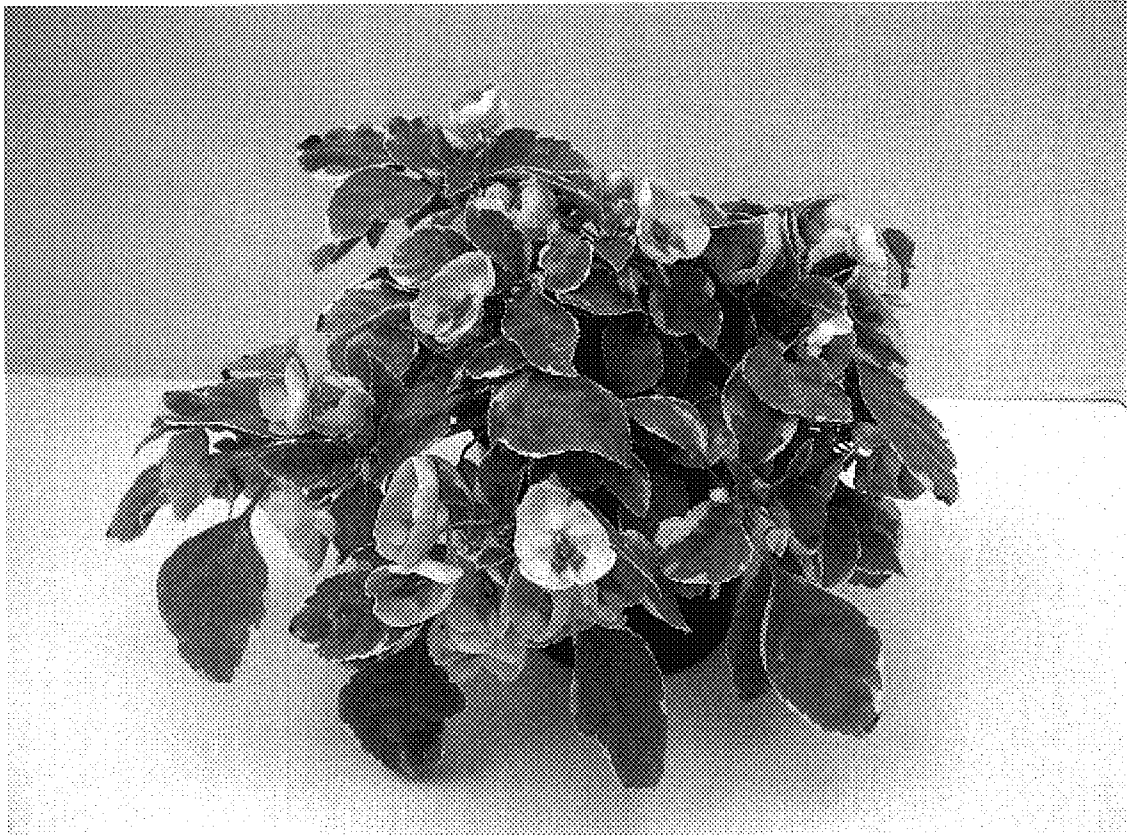


FIG. 1



FIG. 2