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(54) **PETUNIA PLANT NAMED ‘PET0614’**

(50) Latin Name: *Petunia*×*hybrida*
Varietal Denomination: **PET0614**

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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 127 days.

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(52) **U.S. Cl.** **Plt./356**

(58) **Field of Classification Search** Plt./356
See application file for complete search history.

Primary Examiner—Wendy Haas

(57) **ABSTRACT**

A new and distinct cultivar of *Petunia* plant named ‘PET0614’, characterized by its outwardly spreading, cascading plant habit; freely branching growth habit; green foliage; and numerous pure white continuous flowers.

2 Drawing Sheets

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Botanical designation: *Petunia*×*hybrida*.
Cultivar denomination: ‘PET0614’.

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct cultivar of *Petunia* plant, botanically known as *Petunia*×*hybrida*, and hereinafter referred to by the cultivar name ‘PET0614’.

The new *Petunia* originated from a conventional cross of proprietary *Petunia* selections, ‘White Lightning’ (the female parent; not patented) and ‘Sunny Skies’ (the male parent; not patented) conducted on the 2nd of May 2004 in a cultivated area of Aquebogue, N.Y. Seeds from this cross were planted and the individual plant known as ‘PET0614’ was selected because of its combination of exceptional features, and has been propagated asexually by vegetative cuttings sine that time. The unique features of this new *Petunia* are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the cultivar ‘PET0614’ have not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature and light intensity without, however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be the unique characteristics of ‘PET0614’. These characteristics in combination distinguish ‘PET0614’ as a new and distinct cultivar.

1. Outwardly spreading, cascading plant habit.
2. Freely branching growth habit.
3. Tight internode spacing
4. Numerous pure white flowers.

Plants of the new *Petunia* ‘PET0614’ differ primarily from the female parent plant ‘White Lightning’ in growth habit.

Plants of the new *Petunia* ‘PET0614’ differ primarily from the male parent plant ‘Sunny Skies’ in growth habit.

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BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new cultivar, showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photographs may differ slightly from the color values cited in the detailed botanical description, which accurately describe the colors of the new *Petunia*.

The photograph on the first sheet comprises a side perspective view of a typical flowering plant of ‘PET0614’ grown in a container.

The photograph on the second sheet comprises a close-up view of leaves and flowers of ‘PET0614’.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following observations and measurements describe plants grown in Aquebogue, N.Y., under commercial practice during the spring and summer in a polyethylene covered greenhouse with day temperatures averaging 22 degrees C., night temperatures averaging 17 degrees C., and light levels ranging from 9,000 to 12,000 lux. Plants were grown for about 16 weeks in 25 cm containers. In the following description, color references are made to The Royal Horticultural Society Colour Chart, 2001 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Petunia*×*hybrida* cultivar ‘PET0614’.

Parentage: Female: *Petunia*: ‘White Lightning’ Male: *Petunia* ‘Sunny skies’.

Propagation:

Type cutting.—Vegetative cuttings.

Time to initiate roots, summer.—About 15 days.

Time to initiate roots, winter.—About 20 days.

Time to produce a rooted young plant, summer.—About three weeks.

Time to produce a rooted young plant, winter.—About four weeks.

Root description.—Fine, fibrous; white in color.

Rooting habit.—Freely branching, dense.

Plant description:

Form.—Annual flowering plant; indeterminate; outwardly spreading; cascading, moderately vigorous growth habit. Freely basal branching habit lateral branches potentially developing at every node.

Usage.—Appropriate for hanging baskets, window boxes, patio containers and landscape applications.

Plant height.—About 18 to 20 cm.

Plant diameter.—About 60 cm.

Lateral branches:

Length.—About 28 cm.

Diameter.—About 3 to 4 mm.

Internode length.—About 5 mm.

Texture.—Pubescent.

Color.—138B.

Foliage description:

Arrangement, before flowering.—Alternate, simple.

Arrangement, when flowering.—Opposite, simple.

Length.—About 3.5 cm.

Width.—About 2.2 cm.

Shape.—Ovate.

Apex.—Acute.

Base.—Obtuse.

Margin.—Entire.

Texture, upper and lower surfaces.—Viscid, pubescent.

Venation pattern.—Pinnate, arcuate.

Color.—Developing foliage, upper surface: 139A.

Developing foliage, lower surface: 139C. Fully

expanded foliage, upper surface: 139A. Fully

expanded foliage, lower surface: 139C. Venation,

upper and lower surfaces: Similar to lamina. Petiole

length: About 5 mm. Petiole diameter: About 2 mm.

Petiole texture, upper and lower surfaces: Pubescent.

Petiole color, upper and lower surfaces: 139A.

Flower Description:

Flower type and habit.—Salverform flowers; flowers face upward or outward; single, axillary. Freely flowering, typically about ten open flowers and flower buds per lateral branch.

Natural flowering season.—Long day responsive; plants flower from April until frost in New York; flowering continuous during the flowering period. Plants start flowering about three weeks after planting.

Flower longevity on the plant.—About one week; flowers not persistent.

Fragrance.—None detected.

Flower size.—Diameter: About 6.5 cm. Depth: About 5 cm. Tube length: About 2.5 cm. Throat diameter,

distal end: About 8 mm. Tube diameter, proximal end: about 3 mm.

Flower buds.—Length: About 3 cm. Diameter: about 6 mm. Shape: Elongated oblong with ruffled apices. Color: 1B.

Corolla.—Arrangement/appearance: Single whorl of five petals, fused into flared trumpet with distinct clefts between petal lobes. Petal lobe length: About 2 cm. Petal lobe width: About 2.2 cm. Petal shape: Roughly fan-shaped. Petal apex: Acute. Petal margin: Entire. Petal texture, upper surface: Smooth, satiny. Petal texture, lower surface: Pubescent.

Color.—Petal, when opening, upper surface: 1D. Petal, when opening, lower surface: 1C. Petal, fully opened, upper surface: pure white, 155D. Petal, fully opened, lower surface: pure white, 155D. Flower throat (inside): pure white, 155D. Flower tube (outside): pure white, 155D. Venation, upper petal surface: 149B. Venation, lower petal surface: 149B. Venation, throat: 149B. Venation, tube; 149B.

Sepals.—Arrangement/appearance: Single whorl of five sepals fused at base, star-shaped. Length: About 3 cm. Width: About 3 cm. Shape: Linear. Apex: Acute. Margin: Entire. Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: pure white.

Peduncles.—Length: About 3 cm. Width: About 2 mm. Angle: About 45 degrees to the stem. Strength: Strong. Texture: Pubescent. Color: 143C.

Reproductive organs.—Stamens: Quantity/arrangement: Five per flower, stamens adnate to corolla tube. Anther shape: Oval. Anther length: about 1.5 to 2 mm. Anther color: 155A. Pollen amount: Abundant. Pollen color: 155A. Pistils: Quantity: One per flower. Pistil length: About 2 cm. Stigma shape: Rounded. Stigma color: 150B. Style length: About 1.6 cm. Style color: 141C. Ovary color: 144B.

Fruit/seed.—Fruit and seed production has not been observed.

Disease/pest resistance: Plants of the new *Petunia* have not been noted to be resistant to pathogens and pests common to *Petunia*.

Temperature tolerance: Plants of the new *Petunia* have been observed to tolerate temperatures ranging from 2 to 32 degrees C.

What is claimed is:

1. A new and distinct cultivar of *Petunia* plant named 'PET0614', as illustrated and described.

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