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

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- (54) **PETUNIA PLANT NAMED ‘DUESUNVAN’**
- (50) Latin Name: *(Petunia×hybrida)×Calibrachoa* sp.
Varietal Denomination: **Duesunvan**
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- (21) Appl. No.: **15/530,202**
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- (52) **U.S. Cl.**
USPC **Plt./356.11**
- (58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of *Petunia* plant named ‘Duesunvan’, characterized by its semi-mounding to semi-trailing plant habit; moderately vigorous growth habit; freely branching habit; early and freely flowering habit; medium to large-size flowers with pale yellow-colored petals that are tinged with light red and yellow green-colored centers and venation; and good garden performance.

1 Drawing Sheet

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Botanical designation: *(Petunia×hybrida)×Calibrachoa* sp.
Cultivar denomination: ‘DUESUNVAN’.

CROSS-REFERENCED TO CLOSELY-RELATED APPLICATIONS

- Title: *Petunia* Plant Named ‘Duesunelapr’
- Applicant: Ruth Kobayashi
- Plant patent application Ser. No. 15/530,205
- Title: *Petunia* Plant Named ‘Duesunpkmorn’
- Applicant: Ruth Kobayashi
- Plant patent application Ser. No. 15/530,203
- Title: *Petunia* Plant Named ‘Duesunrose’
- Applicant: Ruth Kobayashi
- Application Ser. No. 15/530,204

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Petunia* plant, botanically known as *(Petunia×hybrida)×Calibrachoa* sp. and hereinafter referred to by the name ‘Duesunvan’.

The new *Petunia* plant is a product of a planned breeding program conducted by the Inventor in Encinitas, Calif. The objective of the breeding program is to create new moderately vigorous and trailing *Petunia* plants with numerous attractive flowers.

The new *Petunia* plant is a naturally-occurring whole plant mutation of a proprietary selection of *(Petunia×hybrida)×Calibrachoa* sp. identified as code number TT-0814, not patented. The new *Petunia* plant was discovered and selected by the Inventor as a single flowering plant within a population of plants of the parent selection in a controlled greenhouse environment in Encinitas, Calif. on Nov. 11, 2015.

Asexual reproduction of the new *Petunia* plant by terminal vegetative cuttings in a controlled greenhouse environment in Encinitas, Calif. since Nov. 12, 2015 has shown that

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the unique features of this new *Petunia* plant are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new *Petunia* have not been observed under all possible combinations of environmental conditions and cultural practices. The phenotype may vary somewhat with variations in environmental conditions 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 ‘Duesunvan’. These characteristics in combination distinguish ‘Duesunvan’ as a new and distinct *Petunia* plant:

1. Semi-mounding to semi-trailing plant habit.
2. Moderately vigorous growth habit.
3. Freely branching habit.
4. Early and freely flowering habit.
5. Medium to large-size flowers with pale yellow-colored petals that are tinged with light red and yellow green-colored centers and venation.
6. Good garden performance.

Plants of the new *Petunia* can be compared to plants of the parent selection. Plants of the new *Petunia* differ primarily from plants of the parent selection in flower color as plants of the parent selection have salmon pink-colored flowers.

Plants of the new *Petunia* can be compared to plants of *(Petunia×hybrida)×Calibrachoa* sp. ‘Duesunelapr’, disclosed in a U.S. Plant patent application Ser. No. 15/530,205. Plants of the new *Petunia* differ primarily from plants of ‘Duesunelapr’ in flower color as plants of ‘Duesunelapr’ have greyed yellow-colored flowers with pink-colored margins.

Plants of the new *Petunia* can be compared to plants of *(Petunia×hybrida)×Calibrachoa* sp. ‘Duesunpkmorn’, disclosed in a U.S. Plant patent application Ser. No. 15/530,203. Plants of the new *Petunia* differ primarily from plants

of 'Duesunpkorn' in flower color as plants of 'Duesunpkorn' have intense red purple-colored flowers.

Plants of the new *Petunia* can be compared to plants of (*Petunia*×*hybrida*)×*Calibrachoa* sp. 'Duesunrose', disclosed in a U.S. Plant patent application Ser. No. 15/530, 204. Plants of the new *Petunia* differ primarily from plants of 'Duesunrose' in flower color as plants of 'Duesunrose' have bright red purple-colored flowers.

Plants of the new *Petunia* can also be compared to plants of *Petunia*×*Calibrachoa* 'Dancalipet', disclosed in U.S. Plant Pat. No. 16,063. Plants of the new *Petunia* and 'Dancalipet' differ primarily in the following characteristics:

1. Plants of the new *Petunia* are more trailing than and not as mounding as plants of 'Dancalipet'.
2. Plants of the new *Petunia* are more vigorous than plants of 'Dancalipet'.
3. Plants of the new *Petunia* and 'Dancalipet' differ in flower color as plants of 'Dancalipet' have red purple-colored flowers.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new *Petunia* plant 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* plant.

The photograph at the bottom of the sheet is a side perspective view of a typical flowering plant of 'Duesunvan'.

The photograph at the top of the sheet is a close-up view of a typical flowering plant of 'Duesunvan'.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following observations, measurements and values describe plants grown during the early autumn in summer in 15-cm containers in a polyethylene-covered greenhouse in Encinitas, Calif. and under cultural practices typical of commercial *Petunia* production. During the production of the plants, day temperatures averaged 26° C., night temperatures averaged 17° C. and light levels averaged 4,500 lux. Plants were pinched one time at planting and were seven weeks old when the photographs and description were taken. In the following description, color references are made to The Royal Horticultural Society Colour Chart, 2007 Edition, except where general terms of ordinary dictionary significance are used. Botanical classification: (*Petunia*×*hybrida*)×*Calibrachoa* sp. 'Duesunvan'.

Parentage: Naturally-occurring whole plant mutation of a proprietary selection of (*Petunia*×*hybrida*)×*Calibrachoa* sp. identified as code number TT-0814, not patented.

Propagation:

Type.—By terminal vegetative cuttings.

Time to initiate roots, summer and winter.—About five to seven days at night temperatures about 20° C.

Time to produce a rooted young plant, summer and winter.—About three weeks at night temperatures about 20° C.

Root description.—Fine, fibrous; typically white in color, actual color of the roots is dependent on substrate composition, water quality, fertilizers, substrate temperature and age of roots.

Rooting habit.—Freely branching; dense.

Plant description:

Plant and growth habit.—Semi-mounding to semi-trailing plant habit; freely branching habit with about six primary lateral branches, each primary lateral branch with about eight to nine secondary laterals and numerous tertiary laterals developing; moderately vigorous growth habit.

Plant height.—About 16 cm.

Plant diameter.—About 60 cm.

Lateral branch description:

Length.—About 34 cm.

Diameter.—About 3 mm.

Internode length.—About 2.2 cm.

Strength.—Strong.

Aspect.—Initially upright then becoming outwardly trailing with development.

Texture and luster.—Pubescent, minute; matte.

Color.—Close to 145A, at the internodes, close to 146D; color becoming closer to 146B with development.

Leaf description:

Arrangement.—Before flowering, alternate; after flowering, opposite; simple.

Length.—About 4.2 cm.

Width.—About 1.6 cm.

Shape.—Elliptical.

Apex.—Broadly acute to rounded.

Base.—Attenuate.

Margin.—Entire.

Texture and luster, upper and lower surfaces.—Pubescent, minute; matte.

Venation pattern.—Pinnate; arcuate.

Color.—Developing leaves, upper and lower surfaces: Close to 144A. Fully expanded leaves, upper surface: Close to 137A; venation, close to 147B. Fully expanded leaves, lower surface: Close to 147B; venation, close to 146D.

Petioles.—Length: About 4 mm. Diameter: About 2 mm. Strength: Moderately strong. Texture and luster, upper and lower surfaces: Pubescent, minute; slight luster. Color, upper and lower surfaces: Close to 146C.

Flower description:

Flower type and flowering habit.—Single salverform flowers arising from leaf axils; freely flowering habit with usually more than 600 flowers developing per plant; flowers face mostly outwardly.

Fragrance.—None detected.

Natural flowering season.—Plants flower continuously during the summer in Southern California; early flowering habit, plants typically beginning flowering about three to four weeks after pinching.

Flower longevity.—Individual flowers last about three to five days on the plant; flowers persistent.

Flower buds.—Length: About 3.2 cm. Diameter: About 8 mm. Shape: Elongated, longitudinally pleated. Texture and luster: Pubescent, minute; matte. Color: Close to 18B to 18C.

Flower diameter.—About 4.3 cm.

Flower depth (height).—About 3.4 cm.

Flower throat diameter.—About 1 cm.

Flower tube length.—About 2.7 cm.

Flower tube diameter, middle.—About 7 mm.

Flower tube diameter, base.—About 3 mm.

Corolla.—Arrangement: Five petals fused at the base and opening into a flared trumpet. Petal lobe length (from throat): About 1.7 cm. Petal lobe width: About 2.2 cm. Petal shape: Roughly fan-shaped. Petal apex: Rounded with shallow indentation. Petal margin: Entire; moderately undulate. Petal texture and luster, upper surface: Smooth, glabrous; satiny, moderately lustrous. Petal texture and luster, lower surface: Pubescent, minute; matte. Throat texture and luster: Smooth, glabrous; lustrous. Tube texture and luster: Pubescent, minute; matte. Color: Petal lobe, when opening, upper surface: Close to 20D. Petal lobe, when opening, lower surface: Close to 18D. Petal lobe, fully opened, upper surface: Close to N155D overlain with close to 36D; at the throat, close to 153D; venation, close to 153D; color does not change with development. Petal lobe, fully opened, lower surface: Close to 11D; venation, close to 145B; color does not change with development. Flower throat: Close to 153D; venation, close to 153B. Flower tube: Close to 145C; venation, close to 146D.

Calyx.—Arrangement: Five sepals fused at the base forming a star-shaped calyx. Calyx length: About 1.8 cm. Calyx diameter: About 1.8 cm. Sepal length: About 1.5 cm. Sepal width: About 3 mm. Sepal shape: Narrowly oblong. Sepal apex: Acute. Sepal margin: Entire. Sepal texture and luster, upper and lower surfaces: Pubescent, minute; matte. Color: When opening and fully opened, upper surface: 30

Close to 137B. When opening and fully opened, lower surface: Close to 137B.

Peduncles.—Length: About 2.7 cm. Diameter: About 1.5 mm. Strength: Moderately strong. Aspect: About 45° from lateral stem axis. Texture and luster: Pubescent, minute; matte. Color: Close to 146C.

Reproductive organs.—Stamens: Quantity per flower: Five. Filament length: About 1.6 cm. Filament color: Close to 145D. Anther length: About 1.5 mm. Anther shape: Nearly round. Anther color: Close to 6D. Pollen amount: Scarce. Pollen color: Close to 12C. Pistils: Quantity per flower: One. Pistil length: About 1.9 cm. Style length: About 1.5 cm. Style color: Close to 145D. Stigma diameter: About 1 mm. Stigma shape: Rounded. Stigma color: Close to 145A. Ovary color: Close to 145A. Seeds and fruits: Seed and fruit development have not been observed on plants of the new *Petunia*.

Garden performance: Plants of the new *Petunia* have been observed to have good garden performance and tolerate wind, rain and temperatures ranging from about 5° C. to about 40° C.

Pathogen & pest resistance: Plants of the new *Petunia* have not been observed to be resistant to pathogens and pests common to *Petunia* plants.

It is claimed:

1. A new and distinct *Petunia* plant named 'Duesunvan' as illustrated and described.

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