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Koot

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(54) ***PETUNIA* PLANT NAMED 'DOPETSTAR'**

(50) Latin Name: ***Petunia* X *hybrida***
Varietal Denomination: **Dopetstar**

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(52) **U.S. Cl.**
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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 'Dopetstar', characterized by its compact and mounding plant habit; moderately vigorous growth habit; freely branching habit; early and freely flowering habit; white and violet bi-colored flowers; and good garden performance.

1 Drawing Sheet

Botanical designation: *Petunia* X *hybrida.*
Cultivar denomination: 'DOPETSTAR'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Petunia* plant, botanically known as *Petunia* X *hybrida* and hereinafter referred to by the name 'Dopetstar'.

The new *Petunia* plant is a product of a planned breeding program conducted by the Inventor in Rheinberg, Germany. The objective of the breeding program is to create new compact and early-flowering *Petunia* plants with numerous attractive flowers.

The new *Petunia* plant originated from a cross-pollination made by the Inventor in July, 2015 in Rheinberg, Germany of a proprietary selection of *Petunia* X *hybrida* identified as code number TT14-005879-001, not patented, as the female, or seed, parent with a proprietary selection of *Petunia* X *hybrida* identified as code number TT14-004555-035, not patented, as the male, or pollen, parent. The new *Petunia* plant was discovered and selected by the Inventor as a single flowering plant from within the progeny of the stated cross-pollination in a controlled greenhouse environment in Rheinberg, Germany in May, 2017.

Asexual reproduction of the new *Petunia* plant by terminal vegetative cuttings in a controlled greenhouse environment in Rheinberg, Germany since June, 2017 has shown that 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 'Dopetstar'. These characteristics in combination distinguish 'Dopetstar' as a new and distinct *Petunia* plant:

1. Compact and mounding plant habit.
2. Moderately vigorous growth habit.
3. Freely branching habit.
4. Early and freely flowering habit.
5. White and violet bi-colored flowers.
6. Good garden performance.

Plants of the new *Petunia* can be compared to plants of the female parent selection. In side-by-side comparisons, plants of the new *Petunia* differ primarily from plants of the female parent selection in flower color as plants of the female parent selection have greyed white and purple bi-colored flowers. In addition, plants of the new *Petunia* have smaller flowers than plants of the female parent selection.

Plants of the new *Petunia* can be compared to plants of the male parent selection. In side-by-side comparisons, plants of the new *Petunia* differ primarily from plants of the male parent selection in flower color as plants of the male parent selection have white and dark purple bi-colored flowers. In addition, plants of the new *Petunia* have larger flowers than plants of the male parent selection.

Plants of the new *Petunia* can be compared to plants of *Petunia* X *hybrida* 'Sanguna Twirl Purple', not patented. In side-by-side comparisons, plants of the new *Petunia* and 'Sanguna Twirl Purple' differ primarily in the following characteristics:

1. Plants of the new *Petunia* are more compact than plants of 'Sanguna Twirl Purple'.
2. Plants of the new *Petunia* are more freely flowering than plants of 'Sanguna Twirl Purple'.
3. Plants of the new *Petunia* and 'Sanguna Twirl Purple' differ in flower color as plants of 'Sanguna Twirl Purple' have white and red purple bi-colored flowers.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates 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 photograph 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 is a side perspective view of a typical flowering plant of 'Dopetstar' grown in a container.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following observations, measurements and values describe plants grown during the spring in 22-cm containers in a glass-covered greenhouse in Rheinberg, Germany and under cultural practices typical of commercial *Petunia* production. During the production of the plants, day and night temperatures averaged 18° C. and light levels averaged 4,500 lux. Plants were 13 weeks old when the photograph 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* X *hybrida* 'Dopetstar'.

Parentage:

Female, or seed, parent.—Proprietary selection of *Petunia* X *hybrida* identified as code number TT14-005879-001, not patented.

Male, or pollen, parent.—Proprietary selection of *Petunia* X *hybrida* identified as code number TT14-004555-035, not patented.

Propagation:

Type.—By terminal vegetative cuttings.

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

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

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

Time to produce a rooted young plant, winter.—About four weeks at temperatures about 20° C.

Root description.—Fine, fibrous; close to 155B 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.—Compact and mounding plant habit; freely branching habit with about ten to twelve primary lateral branches each with about five to seven secondary branches developing after pinching; moderately vigorous growth habit; moderate growth rate.

Plant height, soil level to top of foliar plane.—About 34 cm.

Plant height, soil level to top of floral plane.—About 36 cm.

Plant diameter.—About 95 cm.

Lateral branch description:

Length.—About 34 cm.

Diameter.—About 4 mm.

Internode length.—About 3.4 cm.

Strength.—Moderately strong.

Aspect.—Initially upright to outwardly spreading.

Texture and luster.—Pubescent; glossy.

Color, developing.—Close to 144B; at the internodes, close to 137D.

Color, fully developed.—Close to 137B; at the internodes, close to 137D.

Leaf description:

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

Length.—About 3.2 cm.

Width.—About 2.3 cm.

Shape.—Spatulate.

Apex.—Obtuse.

Base.—Attenuate.

Margin.—Entire.

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

Venation pattern.—Pinnate; arcuate.

Color.—Developing leaves, upper surface: Close to 137C. Developing leaves, lower surface: Close to 138B. Fully expanded leaves, upper surface: Close to N137C; venation, close to N137D. Fully expanded leaves, lower surface: Close to 147B; venation, close to 147C.

Petioles.—Length: About 2.5 mm. Diameter: About 2 mm. Strength: Moderately strong; firm. Texture and luster, upper and lower surfaces: Smooth, glabrous; matte. Color, upper and lower surfaces: Close to 144B.

Flower description:

Flower type and flowering habit.—Single salverform flowers arising from leaf axils; freely flowering habit with usually about 275 flowers developing per plant during the flowering season; flowers face upright to outwardly.

Fragrance.—None detected.

Natural flowering season.—Plants flower continuously during the spring and summer in Germany; early flowering habit, plants typically beginning flowering about nine weeks after planting.

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

Flower buds.—Length: About 3.9 cm. Diameter: About 7.5 mm. Shape: Ovoid. Texture and luster: Rippled, glabrous; semi-glossy. Color: Close to 145C.

Flower diameter.—About 5 cm.

Flower depth (height).—About 4.9 cm,

Flower throat diameter.—About 1.2 cm.

Flower tube length.—About 2.2 cm.

Flower tube diameter.—About 3 mm.

Corolla.—Arrangement: Five petals fused at the base and opening into a flared trumpet. Petal lobe length (from throat): About 3.4 cm. Petal lobe width: About 3.4 cm. Petal shape: Roughly spatulate. Petal apex: Obtuse. Petal margin: Entire; slightly undulate. Petal texture and luster, upper and lower surfaces: Rippled, glabrous; matte. Throat texture and luster: Rippled, glabrous; matte. Tube texture and luster: Rippled, pubescent; matte. Color: Petal lobe, when opening, upper surface: Alternating stripes of close to 155C and N88C. Petal lobe, when opening, lower surface: Alternating stripes of close to 155C and 145D. Petal lobe, fully opened, upper surface: Alternating stripes of close to NN155C and N87C; venation, close to 83A; colors do not fade with development. Petal lobe, fully opened, lower surface: Alternating stripes of close to 155C and 85B; venation, close to 83C; colors do .not fade with devel-

opment. Flower throat: Close to 79A; venation, close to 79A. Flower tube: Close to N77A; venation, close to 79A.

Calyx.—Arrangement: Five sepals fused at the base forming a star-shaped calyx. Length: About 1.9 cm. Diameter: About 6 mm. Sepal length: About 1.5 cm. Sepal width: About 4 mm. Sepal shape: Oblong. Sepal apex: Rounded. Sepal margin: Entire. Sepal texture and luster, upper and lower surfaces: Smooth, glabrous; matte. Color, when opening and fully opened, upper surface: Close to 137C. Color, when opening and fully opened, lower surface: Close to 146B.

Peduncles.—Length: About 1.7 cm. Diameter: About 1.5 mm. Strength: Moderately strong. Texture and luster: Smooth, glabrous; semi-glossy. Color: Close to 143C.

Reproductive organs.—Stamens: Quantity per flower: Five. Filament length: About 2.1 cm. Filament color: Close to N155A. Anther length: About 1.2 mm. Anther shape: Ovate. Anther color: Close to 68B. Pollen amount: Abundant. Pollen color: Close to 94D. Pistils: Quantity per flower: One. Pistil length: About 2.2 cm. Style length: About 2 cm. Style color: Close to 145D. Stigma diameter: About 2 mm. Stigma shape: Rounded. Stigma color: Close to N186A. Ovary color: Close to N144B. Fruits: Quantity produced per plant: About 200 during the flowering season. Length: About 7 mm. Diameter: About 5 mm. Texture: Smooth, glabrous. Color: Close to 160D. Seeds: Quantity per flower: About 70. Length: About 0.4 mm. Diameter: About 0.4 mm. Texture: Smooth, glabrous. Color: Close to 199B.

Garden performance: Plants of the new *Petunia* have been observed to have good garden performance and tolerate wind, rain, temperatures ranging from about 3° C. to about 28° C. and to be suitable for USDA Hardiness Zone 11.

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

It is claimed:

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

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