



US00PP32887P2

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

(10) **Patent No.:** **US PP32,887 P2**

(45) **Date of Patent:** **Mar. 9, 2021**

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

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

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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 0 days.

(21) Appl. No.: **16/873,877**

(22) Filed: **Aug. 4, 2020**

(51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/82 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./356.13**
CPC *A01H 6/824* (2018.05)

(58) **Field of Classification Search**
USPC Plt./356.13
CPC A01H 6/824
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

UPOV hit on *Petunia* plant named, ‘DOPETSURCEST’, QZ PBR 2019/2978, filed Nov. 14, 2019.*

* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of *Petunia* plant named ‘Dopetsurcest’, characterized by its relatively compact, upright and mounding to hanging plant habit; moderately vigorous growth habit; freely branching habit; early and freely flowering habit; large vivid purplish red and white bi-colored flowers; and good garden performance.

1 Drawing Sheet

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Botanical designation: *Petunia X hybrida*.
Cultivar denomination: ‘DOPETSURCEST’.

CROSS-REFERENCED TO A RELATED APPLICATION AND STATEMENT REGARDING PRIOR DISCLOSURES BY INVENTOR AND APPLICANT

This application claims priority to a European Community Plant Breeders’ Rights application filed on Nov. 14, 2019, application number 2019/2978. There have been no offers for sale anywhere in the world prior to the effective filing date of this Application and no accessibility to one of ordinary skill in the art could have been derived from the printed Plant Breeder’s Rights documents.

The Inventor/Applicant asserts that no publications nor advertisements relating to sales, offers for sale or public distribution occurred more than one year prior to the effective filing date of this application. Any information about the claimed plant would have been obtained from a direct or indirect disclosure from the Inventor. Applicant claims a prior art exemption under 35 U.S.C. 102(b)(1) for disclosure and/or sales prior to the filing date but less than one year prior to the effective filing date.

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 ‘Dopetsurcest’.

The new *Petunia* plant is a product of a planned breeding program conducted by the Inventor in Rheinberg, Germany.

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The objective of the breeding program is to create new freely branching and early-flowering *Petunia* plants with numerous attractive flowers.

The new *Petunia* plant originated from a cross-pollination made by the Inventor in July, 2016 in Rheinberg, Germany of a proprietary selection of *Petunia X hybrida* identified as code number TT15-046074-007, not patented, as the female, or seed, parent with a proprietary selection of *Petunia X hybrida* identified as code number TT14-001332-010, 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, 2019.

Asexual reproduction of the new *Petunia* plant by terminal vegetative cuttings in a controlled greenhouse environment in Rheinberg, Germany since June, 2019 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 ‘Dopetsurcest’. These characteristics in combination distinguish ‘Dopetsurcest’ as a new and distinct *Petunia* plant:

1. Relatively compact, upright and mounding to hanging plant habit.
2. Moderately vigorous growth habit.
3. Freely branching habit.
4. Early and freely flowering habit.
5. Large vivid purplish red and white 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 flowers of plants of the new *Petunia* have more intense colors than flowers 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 flowers of plants of the new *Petunia* have a more pronounced star-shaped pattern than flowers of plants of the male parent selection.

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

1. Plants of the new *Petunia* are larger than plants of 'Cascadias Bicolor Pastel'.
2. Plants of the new *Petunia* have smaller leaves than plants of 'Cascadias Bicolor Pastel'.
3. Flowers of plants of the new *Petunia* are more intense purplish red in color than flowers of plants of 'Cascadias Bicolor Pastel'.

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 'Dopetsurcest' grown in a container.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph 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 twelve weeks old when the photograph and description were taken. In the following description, color references are made to The Royal Horticultural Society Colour Chart, Fifth Edition, 2007, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Petunia X hybrida* 'Dopetsurcest'.
Parentage:

Female, or seed, parent.—Proprietary selection of *Petunia X hybrida* identified as code number TT15-046074-007, not patented.

Male, or pollen, parent.—Proprietary selection of *Petunia X hybrida* identified as code number TT14-001332-010, 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.—Relatively compact, upright and mounding to hanging plant habit; freely branching habit with about six primary lateral branches each with about seven secondary branches developing after pinching; moderately vigorous growth habit; moderate growth rate.

Plant height, soil level to top of foliar plane.—About 20 cm.

Plant height, soil level to top of floral plane.—About 20 cm.

Plant diameter.—About 61 cm.

Lateral branch description:

Length.—About 40 cm.

Diameter.—About 4.5 mm.

Internode length.—About 1.8 cm.

Strength.—Moderately strong.

Aspect.—Initially upright to outwardly spreading.

Texture and luster.—Pubescent; semi-glossy.

Color, developing and fully developed.—Close to 144A.

Leaf description:

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

Length.—About 3 cm.

Width.—About 1.5 cm.

Shape.—Spatulate.

Apex.—Obtuse.

Base.—Attenuate.

Margin.—Entire.

Texture and luster, upper and lower surfaces.—Pubescent; leathery; semi-glossy.

Venation pattern.—Pinnate; arcuate.

Color.—Developing and fully expanded leaves, upper surface: Close to 146A; venation, close to 146A. Developing and fully expanded leaves, lower surface: Close to 146C; venation, close to 146C.

Petioles.—Length: About 4 mm. Diameter: About 1.5 mm. Strength: Moderately strong; firm. Texture and luster, upper and lower surfaces: Smooth, glabrous; matte. Color, upper surface: Close to 145A. Color, lower surface: Close to 145B.

Flower description:

Flower type and flowering habit.—Single salverform flowers arising from leaf axils; freely flowering habit with usually about 340 flowers and flower buds developing per plant; flowers face mostly upright to outwardly.

Frangrance.—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. 5

Flower buds.—Length: About 2.2 cm. Diameter: About 4.5 mm. Shape: Ovoid. Texture and luster: Rippled; semi-glossy. Color: Proximally, close to 145B and distally, close to 72A. 10

Flower diameter.—About 5 cm.

Flower depth (height).—About 4.4 cm.

Flower throat diameter.—About 9.5 mm.

Flower tube length.—About 2.7 cm.

Flower tube diameter.—About 2 mm. 15

Corolla.—Arrangement: Five petals fused at the base and opening into a flared trumpet. Petal lobe length (from throat): About 2.7 cm. Petal lobe width: About 2.8 cm. Petal shape: Roughly spatulate. Petal apex: Obtuse. Petal margin: Entire; slightly undulate. Petal texture and luster, upper and lower surfaces: Rippled, glabrous; semi-glossy. Throat texture and luster: Rippled, glabrous; semi-glossy. Tube texture and luster: Rippled, pubescent; semi-glossy. Color: Petal lobe, when opening, upper surface: Close to N57A and 155A. Petal lobe, when opening, lower surface: Close to N57D and 155D. Petal lobe, fully opened, upper surface: Close to N57B and 155A; venation, close to 64B; colors becoming closer to 72A and N155A with development. Petal lobe, fully opened, lower surface: Close to N57D and 155D; venation, close to 64A; colors becoming closer to N81D and 155D with development. Flower throat: Close to 9C and 79D; venation, close to 79A. Flower tube: Close to 145D; venation, close to 79D. 20 25 30 35

Sepals.—Arrangement: Five sepals fused at the base forming a tubular star-shaped calyx. Length: About 1.4 cm. Diameter: About 2.5 mm. Shape: Oblong. Apex: Rounded. Base: Decurrent. Margin: Entire.

Texture and luster, upper and lower surfaces: Smooth, glabrous; semi-glossy. Color: When opening, upper surface: Close to 137C. When opening, lower surface: Close to 137D. Fully opened, upper surface: Close to 137B. Fully opened, lower surface: Close to 137C.

Peduncles.—Length: About 2.5 cm. Diameter: About 1.5 mm. Strength: Moderately strong. Texture and luster: Smooth, glabrous; semi-glossy. Color: Close to 144A.

Reproductive organs.—Stamens: Quantity per flower: Five. Filament length: About 1.8 cm. Filament color: Close to 155D. Anther length: About 1.8 mm. Anther shape: Ovate. Anther color: Close to 155B. Pollen amount: Abundant. Pollen color: Close to 158C. Pistils: Quantity per flower: One. Pistil length: About 2.1 cm. Style length: About 2 cm. Style color: Close to 145A. Stigma diameter: About 1 mm. Stigma shape: Rounded. Stigma color: Close to 144A. Ovary color: Close to 141D. Fruits: Quantity produced per plant: About 210 during the flowering season. Length: About 3.5 mm. Diameter: About 3 mm. Texture: Smooth, glabrous. Color: Close to 161C. Seeds: Quantity per flower: About 70. Length: About 0.2 mm. Diameter: About 0.2 mm. Texture: Smooth, glabrous. Color: Close to 200A.

Garden performance: Plants of the new *Petunia* have been observed to have good garden performance and tolerate wind, rain, temperatures ranging from about 5° C. to about 40° C. and to be suitable for USDA Hardiness Zone 11.

Pathogen & pest resistance: To date, 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 'Dopetsurcest' as illustrated and described.

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