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Koot

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

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

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patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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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 'Dopet-
suryesto', characterized by its relatively compact, upright
and mounding to hanging plant habit; moderately vigorous
growth habit; freely branching habit; early and freely flow-
ering habit; large bright yellow-colored flowers with darker
yellow-colored throats; and good garden performance.

1 Drawing Sheet

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

STATEMENT REGARDING PRIOR
DISCLOSURES BY INVENTOR/APPLICANT &
ASSIGNEE

The Inventor and Applicant/Assignee assert that no pub-
lications 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 and/or Appli-
cant/Assignee. Inventor and Applicant/Assignee claim a
prior art exception 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 'Dopetsuryesto'.

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, freely branching and early-flowering *Petunia*
plants with numerous attractive flowers.

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The new *Petunia* plant originated from a cross-pollination
made by the Inventor in July, 2019 in Rheinberg, Germany
of a proprietary selection of *Petunia X hybrida* identified as
code number TT17-080101-006, not patented, as the female,
or seed, parent with a proprietary selection of *Petunia X*
hybrida identified as code number TT17-091021-002, 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, 2020.

Asexual reproduction of the new *Petunia* plant by termi-
nal vegetative cuttings in a controlled greenhouse environ-
ment in Rheinberg, Germany since June, 2020 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 geno-
type.

The following traits have been repeatedly observed and
are determined to be the unique characteristics of 'Dopet-

surysto'. These characteristics in combination distinguish 'Dopetsurysto' 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 bright yellow-colored flowers with darker yellow-colored throats.
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* are darker yellow in color than flowers of plants of the female parent selection. In addition, plants of the new *Petunia* are more compact 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 form as flowers of plants of the new *Petunia* have single-type flowers whereas plants of the male parent selection have double-type flowers.

Plants of the new *Petunia* can be compared to plants of *Petunia* X *hybrida* 'Sunsurf Kitatsu', disclosed in U.S. Plant Pat. No. 25,400. In side-by-side comparisons, plants of the new *Petunia* and 'Sunsurf Kitatsu' differ primarily in the following characteristics:

1. Plants of the new *Petunia* are more compact than and not as vigorous as plants of 'Sunsurf Kitatsu'.
2. Plants of the new *Petunia* have smaller leaves than plants of 'Sunsurf Kitatsu'.
3. Plants of the new *Petunia* flower about one week earlier than plants of 'Sunsurf Kitatsu'.
4. Flowers of plants of the new *Petunia* are bright yellow in color with darker yellow-colored venation whereas flowers of plants of 'Sunsurf Kitatsu' are pale yellow green in color with darker yellow green-colored venation.

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 'Dopetsurysto' 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 was taken and 25 weeks old when the description was taken. In the following description, color references are made to The Royal Horti-

cultural Society Colour Chart, Fifth Edition, 2007, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Petunia* X *hybrida* 'Dopetsurysto'.

Parentage:

Female, or seed, parent.—Proprietary selection of *Petunia* X *hybrida* identified as code number TT17-080101-006, not patented.

Male, or pollen, parent.—Proprietary selection of *Petunia* X *hybrida* identified as code number TT17-091021-002, 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 nine primary lateral branches each with about ten secondary branches developing after pinching; moderately vigorous growth habit; moderate growth rate.

Plant height, soil level to top of foliar plane.—About 18 cm.

Plant height, soil level to top of floral plane.—About 19 cm.

Plant diameter.—About 70 cm.

Lateral branch description:

Length.—About 45 cm.

Diameter.—About 5 mm.

Internode length.—About 1.9 cm.

Strength.—Moderately strong.

Aspect.—Initially upright to outwardly spreading.

Texture and luster.—Pubescent; semi-glossy.

Color, developing.—Close to 146C.

Color, fully developed.—Close to 146B; at the internodes, close to 144A.

Leaf description:

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

Length.—About 2.6 cm.

Width.—About 1.4 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 146B; venation, close to 146B.

Petioles.—Length: About 3.5 mm. Diameter: About 1.5 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 270 flowers and flower buds developing per plant; flowers face mostly 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 3.4 cm. Diameter: About 6 mm. Shape: Ovoid. Texture and luster: Rippled; semi-glossy. Color: Close to 145A.

Flower diameter.—About 5 cm.

Flower depth (height).—About 4.1 cm.

Flower throat diameter.—About 1 cm.

Flower tube length.—About 2.7 cm.

Flower tube diameter, proximally.—About 4 mm.

Corolla.—Arrangement: Five petals fused at the base and opening into a flared trumpet. Petal lobe length (from throat): About 2.25 cm. Petal lobe width: About 2.6 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 151B. Petal lobe, when opening, lower surface: Close to 150B. Petal lobe, fully opened, upper surface: Close to 7A; venation, close to 7A; color becoming closer to 8C with subsequent development. Petal lobe, fully opened, lower surface: Close to 151D; venation, close to 151D; color becoming closer to 8C with subsequent development. Flower

throat: Close to 13A; venation, close to 151C.

Flower tube: Close to 145A; venation, close to 145A.

Sepals.—Arrangement: Five sepals fused at the base forming a tubular star-shaped calyx. Length: About 1.3 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 and fully opened, upper surface: Close to 144A. When opening and fully opened, lower surface: Close to 146C.

Peduncles.—Length: About 2 cm. Diameter: About 2 mm. Strength: Moderately strong. Texture and luster: Smooth, glabrous; semi-glossy. Color: Close to 144B.

Reproductive organs.—Stamens: Quantity per flower: Five. Filament length: About 2.1 cm. Filament color: Close to 145D. Anther length: About 2 mm. Anther shape: Ovate. Anther color: Close to 150C. Pollen amount: Abundant. Pollen color: Close to 150D. Pistils: Quantity per flower: One. Pistil length: About 2 cm. Style length: About 1.8 cm. Style color: Close to 145B. Stigma diameter: About 2 mm. Stigma shape: Rounded. Stigma color: Close to 144A. Ovary color: Close to 144C. Fruits: Quantity produced per plant: About 160 during the flowering season. Length: About 6 mm. Diameter: About 5 mm. Texture: Smooth, glabrous. Color: Close to 163D. Seeds: Quantity per flower: About 80. 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 'Dopet-suryesto' as illustrated and described.

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