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

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

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

(50) Latin Name: *Petunia hybrida*
Varietal Denomination: **Petpuvivi**

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

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(56) **References Cited**

(73) Assignee: **Syngenta Seeds B.V.,** Enkhuizen (NL)

PUBLICATIONS

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

UPOV-ROM GTITM, Plant Variety Database, 2007/03, GTI Jouve Retrieval Software, citation for ‘Petpuvivi’.*

* cited by examiner

(21) Appl. No.: **11/640,771**

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(65) **Prior Publication Data**

(57) **ABSTRACT**

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A new *Petunia* plant particularly distinguished by its trailing, outwardly spreading and mounded plant habit, freely branching habit, freely flowering habit, single flowers that are purple-blue in color, and good garden performance.

(51) **Int. Cl.**
A01H 5/00 (2006.01)

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed: *Petunia hybrida*.
Varietal denomination: ‘Petpuvivi’.

vivi.’ These characteristics in combination distinguish ‘Petpuvivi’ as a new and distinct cultivar:

BACKGROUND OF THE NEW PLANT

The present invention relates to a new and distinct cultivar of *Petunia* plant botanically known as *Petunia hybrida* and referred to by the cultivar name ‘Petpuvivi.’

1. Trailing, outwardly spreading and mounded plant habit
2. Freely branching habit
3. Freely flowering habit
4. Single flowers that are purple-blue
5. Good garden performance.

The new *Petunia* is the product of a planned breeding program conducted by the inventor in Enkhuizen, Netherlands. The new *Petunia* cultivar is freely flowering with trailing and spreading plant habit and attractive leaf and flower coloration.

In side-by-side comparisons conducted in Enkhuizen, Netherlands, plants of the new *Petunia* differed from plants of the female parent selection in the following characteristic:

The new *Petunia* originated from a cross-pollination made by the inventor in July 2001 of a proprietary selection of *Petunia hybrida* identified as code number ‘B1571,’ not patented, as the female, or seed parent, with the *Petunia hybrida* variety ‘Petgrabl’ (U.S. Plant Pat. No. 17,218), as the male, or pollen parent. The new *Petunia* was selected as a single plant from the resulting progeny of the cross-pollination in a controlled environment in Enkhuizen, Netherlands in May 2002.

1. Plants of the new *Petunia* are slightly mounded whereas plants of the female parent selection are very flat and trailing.

Asexual reproduction of the new cultivar by terminal vegetative cuttings since August 2002, in Enkhuizen, Netherlands has shown that the unique features of this new *Petunia* are stable and reproduced true to type in successive generations.

In side-by-side comparisons conducted in Enkhuizen, Netherlands, plants of the new *Petunia* differed from plants of the male parent selection in the following characteristic:

1. Plants of the new *Petunia* have large size flowers whereas flowers of the male parent selection are smaller.

SUMMARY OF THE INVENTION

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

TABLE 1

DIFFERENCES BETWEEN THE NEW CULTIVAR ‘PETPUVIVI’ AND A SIMILAR CULTIVAR		
	‘Petpuvivi’	Surfinia Blue ‘Sunblu’ (Not patented)
Flower color	Deeper blue N89A	Less deep blue 83B
Earliness of flowering	Earlier	Later

DESCRIPTION OF THE DRAWING

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

The accompanying colored photograph illustrates 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 photograph may differ

slightly from the color values cited in the detailed botanical description which accurately describe the colors of the new *Petunia*.

DESCRIPTION OF THE NEW CULTIVAR

The observations and measurements describe plants grown in Enkhuizen, The Netherlands, practice circumstances outdoor in window boxes during the Summer with day temperatures ranging from 14 to 30° C., night temperatures ranging from 10 to 20° C. Plants used for the photographs and description were about 10 weeks from planting rooted cuttings.

In the following description, color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

The plant:

Classification.—Botanical: *Petunia hybrida*.

Parentage:

Female parent.—Proprietary selection of *Petunia hybrida* identified as code number 'B1571,' not patented.

Male parent.—*Petunia hybrida* variety 'Petgrabl,' U.S. Plant Pat. No. 17,218.

Propagation:

Type cutting.—Terminal vegetative cuttings.

Time to initiate roots.—Summer and Winter: About 12 days at 20° C.

Time to develop roots, summer.—About 21 days at 20° C.

Time to develop roots, winter.—About 28 days at 16° C.

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

Rooting habit.—Freely branching.

Plant description:

Form.—Annual flowering plant; indeterminate; initially upright, then trailing and outwardly spreading; uniformly mounded plant form. Freely branching habit; about six to either basal branches each with about six to eight lateral branches. Pinching enhances development of lateral branches.

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

Plant height.—About 17 cm.

Plant diameter (area of spread).—About 85 cm.

Vigour.—Vigorous; rapid growth rate.

Lateral branches.—Length: About 40 cm. Diameter: About 2.5 mm. Internode length: About 4–5 cm. Texture: Pubescent. Color: N187A (with some anthocyanin).

Foliage description.—Arrangement: Alternate before flowering; opposite after flowers develop; simple. Length: About 3.7 cm. Width: About 2.4 cm. Shape: Elliptic. Apex: Broadly acute. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Sparsely pubescent; glandular. Venation pattern: Pinnate. Color Developing and fully expanded leaves, upper surface: 137B. Developing and fully expanded leaves, lower surface: 146B. Venation, lower surface: N144A. Petiole length: About 6 mm. Petiole diameter: About 3 mm. Petiole color, upper and lower surfaces: 144B. Petiole texture: Sparsely pubescent.

Flower description:

Flower type and habit.—Single salver form flowers; flowers face mostly outward; axillary. Freely flowering habit, about four open flowers and about two flower buds per lateral branch at a time.

Natural flowering season.—Long day responsive; long flowering period, spring until frost in the autumn; flowering continuous during this period. Plants start flowering about eight weeks after planting rooted cuttings. Flowers persistent.

Flower longevity on the plant.—About seven to ten days.

Fragrance.—Faint, sweet.

Flower size.—Diameter: About 5.5 cm. Tube length: About 3.5 cm. Throat diameter, distal end: About 8 mm. Tube diameter, proximal end: About 3 mm.

Flower buds.—Length: About 3.5 cm. Diameter: About 5 mm. Shape: Elongated oblong with ruffled apices. Color, basal part: N92A.

Petals.—Quantity/arrangement: About five petals fused in a single whorl, funnel form. Length from throat: About 2.5 cm. Width: About 2.5 cm. Shape: Roughly fan-shaped. Apex: Acute. Margin: Entire, undulate. Texture, upper and lower surfaces: Smooth, velvety. Color When opening, upper surface: N92C, venation N92C. When opening, lower surface: 86A, venation N92A. Fully opened, upper surface: N89A, venation N92B. Fully opened, lower surface: N88A, venation N92A. Flower throat (inside): N186A. Flower tube (outside): N92A. Venation, throat N186A. Venation tube: N92A.

Sepals.—Arrangement/appearance: Single whorl of five petals fused at base, star-shaped. Length: About 1.4 cm. Width: About 2.5 mm. Shape: Ligulate. Apex: Rounded. Margin: Entire. Texture, upper and lower surfaces: Pubescent. Color, upper surface: 146B. Color, lower surface: 146C.

Peduncles.—Length: About 1.5 cm. Width: About 1.5 mm. Angle: About 70° from the stem. Strength: Strong. Texture: Pubescent. Color: 146D with some anthocyanin.

Reproductive organs.—Stamens, quantity per flower: About five. Anther shape: Ovoid. Anther size: About 2 mm by 2 mm. Anther color: 91B. Pollen amount: Much. Pollen color: 97C. Pistils, quantity per flower: One. Pistil length: About 2.8 cm. Style length: About 2.6 cm. Style color: 177B. Stigma shape: Anvil-shaped. Stigma color: N186A. Ovary color: N144D.

Seed development: Seed development has not been observed to date.

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

Garden performance: Plants of the new *Petunia* have been observed to have good garden performance. Plants of the new *Petunia* have been noted to tolerate rain, wind, and temperatures from 0 to 30° C.

What is claimed is:

1. A new and distinct variety of *Petunia* plant, substantially as illustrated and described herein.

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