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**(12) United States Plant Patent
Danziger****(10) Patent No.: US PP16,878 P2****(45) Date of Patent: Jul. 25, 2006****(54) PETUNIA PLANT NAMED 'DANPETBLU'****(50) Latin Name: *Petunia sensu Wijsman*
Varietal Denomination: Danpetblu****(75) Inventor: Gabriel Danziger, Moshav Nir-Zvi (IL)****(73) Assignee: Danziger "Dan" Flower Farm, Post
Beit Dagan (IL)****(*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 15 days.**(21) Appl. No.: 11/128,292****(22) Filed: May 13, 2005****(51) Int. Cl. A01H 5/00 (2006.01)****(52) U.S. Cl. Plt./356****(58) Field of Classification Search Plt./356**
See application file for complete search history.*Primary Examiner*—Kent Bell**(74) Attorney, Agent, or Firm**—Foley & Lardner LLP**(57) ABSTRACT**A new and distinct *Petunia* plant named 'Danpetblu' characterized by having small in size, dark violet-blue colored flowers; a short blooming season, and bears its best inflorescence performance during the summer; cascading growth habit; and is suitable for patios and outdoors bedding.**2 Drawing Sheets****1**Botanical designation: *Petunia sensu Wijsman*.
Variety denomination: 'Danpetblu'.**BACKGROUND OF THE INVENTION**The present invention relates to a new and distinct cultivar of *Petunia* plant, botanically known as *Petunia sensu Wijsman*, hereinafter referred to by the cultivar name 'Danpetblu'.The new cultivar originated from cross-made in a controlled breeding program in Moshav Mishmar Hashiva, Israel. The female parent is a *Petunia sensu Wijsman* cultivar designated 'CV-6512' (unpatented). The male parent is a *Petunia sensu Wijsman* cultivar designated 'CV-104' (unpatented). 'Danpetblu' was discovered and selected by the Inventor, Gabriel Danziger, as a flowering plant within the progeny of the stated cross in a controlled environment in Moshav Mishmar Hashiva, Israel.

Asexual reproduction of the new cultivar by cutting of side shoots, was first performed in February of 2003 in Moshav Mishmar Hashiva, Israel, and has demonstrated that the combination of characteristics as herein disclosed for the new cultivar are firmly fixed and retained through successive generations of asexual reproduction. The new cultivar reproduces true-to-type.

BRIEF SUMMARY OF THE INVENTIONThe following traits have been repeatedly observed and are determined to be unique characteristics of 'Danpetblu' which in combination distinguish this *Petunia* as a new and distinct cultivar:

1. Small in size, dark violet-blue colored flowers;
2. Short blooming season;
3. Cascading growth habit;
4. Bears its best inflorescence performance during the summer; and
5. Suitable for patios and outdoors bedding.

Plants of 'Danpetblu' differ from plants of the parental cultivars, 'CV-6512' (unpatented) and 'CV-104' (unpatented) in the following characteristics:

2**TABLE 1**

Character	New Cultivar 'Danpetblu'	Female Parent 'CV-6512' (unpatented)	Male Parent 'CV-104' (unpatented)
Flowering time	Medium, Summer	Medium, Summer	Late, Summer
Flower size	Small Diameter: 4 cm	Small Diameter: 4 cm	Medium Diameter: 5 cm
Growth habit	Depth: 2 to 3 cm Compact and cascading	Depth: 2 to 3 cm Compact, trailing and well branched.	Depth: 3.5 cm Moderately vigorous and not well branched

Of the many commercial cultivars known to the present Inventor, the most similar in comparison to 'Danpetblu' is the cultivar 'Cascadias Improve Charley' (unpatented). Plants of 'Danpetblu' differ from plants of 'Cascadias Improve Charley' in the following characteristics:

TABLE 2

Character	New Cultivar 'Danpetblu'	Comparison Cultivar 'Cascadias Improve Charley' (unpatented)
Flowering time	Medium, Summer	Medium, Summer
Flower size	Small Diameter: 4 cm	Medium Diameter: 5 cm
Growth habit	Depth: 2 to 3 cm Compact and cascading	Depth: 3.5 cm Spreading

BRIEF DESCRIPTION OF THE DRAWINGSThe accompanying colored photographs illustrate the overall appearance of the new *Petunia* cultivar 'Danpetblu' showing the colors as true as is reasonably possible with 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 color of the 'Danpetblu'.

The first photograph shows a side perspective view of a typical flowering plant of 'Danpetblu' in a hanging planter at 3 months of age.

The second photograph shows a close-up view of the typical flowers, buds and leaves of 'Danpetblu' at 3 months of age.

DETAILED BOTANICAL DESCRIPTION

'Danpetblu' has not been observed under all possible environmental conditions. The phenotype of the new cultivar may vary with variations in environment such as temperature, light intensity, and day length without any change in the genotype of the plant. The following observations, measurements and values describe the new cultivar as grown in Moshav Mishmar Hashiva, Israel, under conditions which closely approximate those generally used in commercial practice.

Plants of 'Danpetblu' are grown outdoors in a moderate climate, and grown indoors during the winter. Irrigation and fertilization are needed on a regular basis. For optimal growth, grow plants of 'Danpetblu' in full sunlight. Plants of 'Danpetblu' are fully grown in 3 months when grown in full sunlight, and bloom all year-round in a moderate climate. 'Danpetblu' is used a pot plant and bedding plant.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.), 2001 edition, except where general colors of ordinary significance are used. Color values were taken under daylight conditions at approximately 12:00 noon in Moshav Mishmar Hashiva, Israel. The age of the plant described is 3 months.

Parentage:

Male parent.—*Petunia sensu Wijsman* cultivar designated 'CV-104' (unpatented).

Female parent.—*Petunia sensu Wijsman* cultivar designated 'CV-6512' (unpatented).

Classification:

Botanical.—*Petunia sensu Wijsman*.

Commercial.—*Petunia* cv. *Petitunia Blue Dream*.

Propagation: Cutting of side shoots.

Plant:

General appearance and form.—Height: 25 cm. Spread: 50 cm.

Growth habit.—Cascading bush.

Growth rate.—Fully grown plant in 3 months.

Branching habit and description.—Normal branching habit typical to *Petunia* species.

Flowering response.—Long day facultative.

Flowering season.—All year round in moderate climate.

Winter hardiness/weather tolerance.—Frost tender.

Plants may be damaged by temperatures below 5° C.

Lastingness of the individual bloom.—2 to 4 days.

Rooting habit.—From cutting base.

Time to initiate roots.—1 week.

Time to produce a rooted cutting.—2 to 3 weeks.

Fragrance.—None.

Stem description:

Length.—45 to 60 cm.

Diameter.—0.5 to 0.6 cm.

Strength.—Medium.

Branching.—Freely.

Pubescence.—Yes.

Internode length.—2.5 to 3.0 cm.

Internode and stem color.—Yellow-Green Group, RHS 144 A.

Foliage:

Arrangement.—Alternate.

Overall shape of leaf.—Elliptic.

Apex.—Obtuse.

Base.—Acute.

Length.—4 to 6 cm.

Width.—2 to 4 cm.

Margin.—Entire.

Texture.—Lustrous.

Color of upper surface.—Mature leaf: Yellow-Green Group, RHS 147 A. Immature leaf: Yellow-Green Group, RHS 146 A.

Color of lower surface.—Mature leaf: Yellow-Green Group, RHS 146 A. Immature leaf: Yellow-Green Group, RHS 146 A.

Venation color.—Upper surface: Yellow-Green Group, RHS 144C. Lower surface: Yellow-Green Group, RHS 144C.

Petiole.—Length: 1.5 cm. Diameter: 0.2 cm. Color: Yellow-Green Group, RHS 144C.

Inflorescence:

Flower longevity.—2 to 4 days.

Flower size.—Diameter: 4 cm. Depth: 2 to 3 cm.

Floral tube.—Diameter: 0.7 to 1.0 cm at the corolla surface.

Flower shape/type.—Trumpet.

Average number of flowers per lateral branch.—6 to 8.

Petals.—Number: 5; (all the 5 petals are united).

Length: 4 to 5 cm (length from the edge of the petal up to the base of the floral tube). Width: 4.5 cm across. Shape: Corolla united with 5 lobes and a long straight tube. Apex: Truncate. Margin: Entire. Texture: Glabrous. Color: Upper surface: Violet-blue Group, RHS N89 A. Lower surface: Violet-blue Group, RHS N89 D.

Sepals.—Number: 5. Length: 2.0 to 2.5 cm. Width: 0.3 to 0.5 cm. Shape: Elliptic. Apex: Truncate. Margin: Entire. Texture: Lustrous. Color: Upper surface: Green Group, 137 A. Lower surface: Green Group, 137 B.

Bud.—Rate of opening: 7 to 10 days. Color: Violet-blue Group, RHS N89 C. Shape: Tubular. Length: 2 to 3 cm. Diameter: 0.2 to 0.7 cm.

Peduncle.—Color: Green Group, RHS 137 B. Length: 3 cm.

Reproductive organs:

Androecium.—Stamen: Number: 5. Color: Violet Group, RHS N87 C. Anthers: Color: Violet Group, RHS N88 B. Filament: Violet group, RHS N87 C.

Pollen.—Color: Violet Group, RHS N88 B.

Gynoecium.—Stigma: Color: Yellow-Green Group, RHS 146 C. Ovary: Color: Yellow-Green Group, RHS 146 C.

Seed.—Number: 40 to 50. Width: 1 mm. Length: 1 mm. Shape: Ovoid. Color: Brown Group, RHS 200 C.

Fruit.—Number: Few, when naturally pollinated. Width: 4 mm. Length: 8 mm. Shape: Ellipsoid. Color: Grey-Brown Group, RHS 199 A.

Disease/pest resistance: No information currently available.

Disease/pest susceptibility: No information currently available.

I claim:

1. A new and distinct *Petunia* plant named 'Danpetblu', substantially as illustrated and described herein.

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