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[54] **PETUNIA PLANT NAMED 'SUNBELKUBU'**

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[52] **U.S. Cl.** **Plt./68.1**

[58] **Field of Search** Plt./68.1

[56] **References Cited**

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[57] **ABSTRACT**

Disclosed herein is a petunia plant, having a decumbent habit plant having long stems. The petunia plant has over-abundant branching, particularly secondary branching is strong, and great profusion blooms, the whole bush remaining in bloom for a considerable period of time. The flowers are single and very small, the petals having a vivid purple color, and the bottom color of the corolla throat is bright greenish yellow and the outside color of corolla tube is pale yellow green. The plant has a high resistance to rain, heat, drought and pest.

2 Drawing Sheets

BACKGROUND OF THE VARIETY

The present invention relates to a new and distinct variety of petunia plant obtained from the crossing of one petunia plant (♀), which was selected from a crossing a wild type of petunia plant called "A1" (♀) native to Brazil and the other wild type of petunia plant called "B2" (♂), and the wild type of petunia plant called "B2" (♂).

The petunia is a very popular plant and is used for flower bedding and potting in the summer season. There are only a few varieties of the petunia plant which do not have an upright growth habit and which have a high resistance to rain, heat, cold, and diseases. The petunia which we previously filed, i.e., the "Revolution" series [(Revolution Purplepink (U.S. Plant Pat. No. 6,915). Revolution Brilliantpink (U.S. Plant Pat. No. 6,914). Revolution Brilliantpink-mini (U.S. Plant Pat. No. 6,899)] is decumbent type plant having long stems, a lower plant height, abundant branching, and a high resistance to heat, cold and rain. However, there are only a few varieties having a great profusion of flowers, vivid purple color and very small flower and a high resistance to rain, heat, cold and diseases. Accordingly, this invention was aimed at obtaining a new variety having a vivid purple color and very small flower, together with the above features.

The new variety of petunia plant according to this invention originated from crossing one petunia plant (♀), which was selected from a crossing a wild type of petunia plant called "A1" (♀) native to Brazil and the other wild type of petunia plant called "B2" (♂), and the wild type of petunia plant called "B2" (♂).

First of all, 250 seedling were obtained from crossing a wild type of petunia plant called "A1" native to Brazil as female parent and the other wild type of petunia plant called "B2" as pollen parent in May, 1992. From this crossing 5 seedlings were selected in view of decumbent habit and flower color. And then 300 seedlings were obtained from a crossing of these selected 5 seedlings as female parent and the other wild type of petunia plant called "B2" as pollen parent in Jan., 1993. These 300 seedling were grown and 10 seedlings were selected from these. These selected 10 seedlings were carried out a trial by flower potting and bedding, and then the 2 plant selected in summer, 1993. The botanically characteristics of the finally-selected 2 plants were then examined, using similar variety "Pearl Sky Blue" for comparison, from summer, 1993 to autumn, 1994. Finally the only one petunia plant was selected in Oct. 1995. As a result, it was concluded that this petunia is distinguishable from any other variety, whose existence is known to us, sufficiently uniform and stable in its characteristics, then this new variety of petunia plant was named "Sunbelkubu".

In the following description, the color-coding is in accordance with The Horticultural Colour Chart of The Royal Horticultural Society, London, England (R.H.S. Colour Chart), and the Inter-Society colour Council-Nation Bureau of Standard Colour Name (I.S.C.C.-N.B.S. Colour Name). A colour chart based on The Japan Colour Standard for Horticultural Plant (J.H.S. Colour Chart) is also added for reference.

The female parent use in the crossing of "Sunbelkubu" was a wild type of petunia plant called "A1" (♂) native to Brazil, the seeds of which were gathered at Gramado, Rio Grande Do Sul, Brazil and introduced to Japan in December, 1989. The petunia plant "A1" having a decumbent habit plant having long stems, an over-abundant branching, great profusion blooms, flowers are single and small, the petals having a reddish purple color, leaf shape is elliptic, and a high resistance to rain, heat, drought and pest.

The pollen parent use in the crossing of "Sunbelkubu" was other wild type of petunia plant called "B2" (♂) native to Brazil, the seeds of which were gathered at Gramado. Rio Grande Do Sul. Brazil and introduced to Japan in December, 1992. The petunia plant "B2" having a decumbent habit plant having long stems, an over-abundant branching, great profusion blooms, flowers are single and small, the petals having a strong bluish purple, leaf shape is lanceolate, and a high resistance to rain, heat, drought and pest. These wild type of petunia plants "A1" and "B2" are presently maintained at the Plant Biotechnology Laboratory of Suntory

Ltd., residing at 863-1, Aza-Iketani, Oomori-cho, Youkaiti-shi, Shiga-ken, Japan.

The similar variety "Pearl Sky Blue" used for examination as a comparision are as follows.

Plant:
Growth habit. —Medium upright.
Plant height.—14 cm.
Spreading area of plant.—15–17 cm in diameter.
Blooming period.—April to September in the southern Kanto area. Japan.
Stem:
Thickness.—2.7 m m.
Pubescence.—Much.
Branching.—Abundant.
Length of internode.—1.3 cm.
Leaf:
Shape.—Elliptic.
Length (average).—5.5 cm.
Width (average).—3.5 cm.
Color.—Strong yellow green (R.H.S. 144A, JHS 3507).
Pubescence.—Much.
Thickness.—0.5–0.6 m m.
Leaf attaching angle to stem.—Horizontal to droopy.
Flower:
Facing direction.—Upward.
Type.—Single.
Shape.—Funnel-shape, with five-fissured limb.
Shape of petal tip.—Obverse.
Waving of petal.—Week.
Lobation of petal.—Shallow.
Diameter.—5.5 cm.
Color.—Petal: Strong bluish purple (R.H.S. 83C. JHS 8310).
Bottom color of the corolla throat and the outside color of corolla tube.—Light yellow green (R.H.S. 3D, JHS 3304).
Reproductive organs.—1 normal pistil and 5 normal stamens
Peduncle.—0.7–0.9 m m in thickness, and 2.7 cm in length.
Physiological and ecological characteristics.—Moderate resistance to heat, cold and disease and pest. Strong resistance to rain.

This new and distinct variety of petunia plant, "Sunbelkubu", was asexually reproduced by cutting at the aforementioned the Plant Biotechnology Laboratory of Suntory Ltd., and the homogeneity and stability thereof were confirmed.

SUMMARY OF THE VARIETY

The new variety of petunia plant has a decumbent habit, long stems and vivid purple flower petal and thus is very different from a similar variety, "Pearl Sky Blue". The plant has decumbent habit, over-abundant branching and great profusion blooms, and the whole bush remains in bloom for a considerable period of time. Especially secondary braching is strong. The flower are single and very small, which is clearly distinguished from small flower of "Pearl Sky Blue" and the petals having a vivid purple, which is clearly distinguished from strong bluish purple of "Pearl Sky Blue", The bottom color of the corolla throat is bright greenish yellow and the outside color of corolla tube is pale yellow green. The plant has a high resistance to rain, heat, drought and pest.

BRIEF DESCRIPTION OF THE DRAWING

FIG. **1** is a photograph giving a partial view of the new variety of petunia plant planted in a flower pot.;

FIG. **2** is a photograph of flowers of the new variety of petunia plant.

DESCRIPTION OF THE VARIETY

The botanical characteristics of the new and distinct variety of petunia plant "Sunbelkubu" are as follows.

Plant:
Growth habit.—Decumbent. The stems hang down when potted in a hanging pot.
Plant height.—5.8–6.1 cm.
Spreading area of plant.—The stem extends to length of 19–23 cm from the base, and thus the spreading area of the plant is 75–85 cm in diameter.
Growth.—Very vigorous with abundant branching, a great profusion of blooms: the whole bush remaining in bloom for a considerable this period of time.
Blooming period.—April to late October in the southern Kanto area, Japan. The plant shape does not change throughout this period.
Stem:
Thickness.—1.2 m m.
Pubescence.—Normal to few.
Branching.—Over-abundant. Particularly secondary branching is very strong.
Length of internode.—1.1 cm.
Leaf:
Shape.—Lanceolate.
Length.—3.6 cm.
Width.—1.1 cm.
Color.—Dark green. (R.H.S. 137B, JHS 3707)
Thickness.—0.3 m m.
Pubescence.—Few.
Leaf attaching angle to stem.—Slantly upward to horizontal.
Flower:
Facing direction.—Slantly upward to horizontal.
Type.—Single.
Shape.—Funnel-shape, with five-fissured limb.
Shape of petal tip.—Medium.
Waving of petal.—Week.
Lobation of petal.—Very shallow.
Diameter.—2.8–3.0 cm.
Color.—Petal : Vivid purple (R.H.S. 81A, JHS 8606): vivid bluish purple at fading period (R.H.S. 87A, JHS 8306).
Bottom color of the corolla throat.—Bright greenish yellow (R.H.S. 3A., JHS 2905).
Outside color of corolla tube.—pale yellow green (R.H.S. 1D, JHS 3102).
Reproductive organs.—1 normal pistil and 5 normal stamens. Both normal.
Peduncle.—0.7–0.8 m m in thickness, and 2.3 cm in length.
Physiological and ecological characteristics: High resistance to rain, heat, drought and pest, especially resistance to rain and heat is very strong.

This new variety of petunia plant is most suitable for flower bedding and potting, particularly in hanging pots or planters, and further excellent for ground cover.

The plant of this new variety "Sunbelkubu" is presently planted and maintained at the Plant Biotechnology Laboratory of Suntory Ltd., residing at 863-1, Aza-Iketani, Oomori-cho, Youkaiti-shi, Shiga-ken, Japan.

I claim:

1. A new and distinct variety of petunia plant, substantially as herein illustrated and described, characterized particularly as to novelty by (A) being a decumbent habit plant having long stems, (B) an over-abundent branching, particularly secondary branching is strong, and great profusion blooms, the whole bush remaining in bloom for a considerable period of time, (C) flowers are single and very small, the petals having a vivid purple color, and the bottom color of the corolla throat is bright greenish yellow and the outside color of corolla tube is pale yellow green and (D) a high resistance to rain, heat, drought and pest.

* * * * *

Fig. 1

SUNBELKUBU

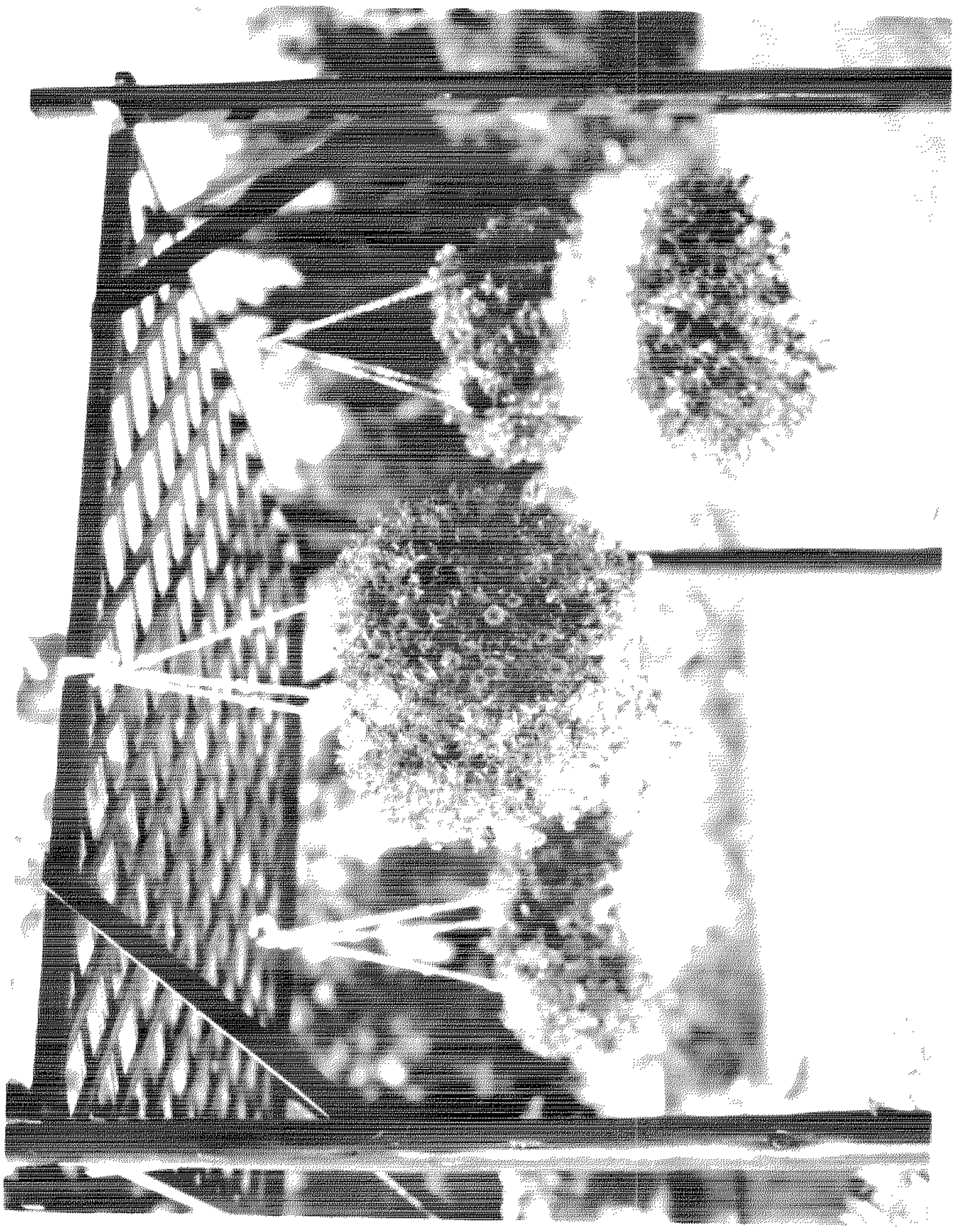

Fig. 2

SUNBELKUBU