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**Beekenkamp**

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(54) ***BEGONIA* PLANT NAMED 'BKPBEBVRD'**

(50) Latin Name: ***Begonia boliviensis***
Varietal Denomination: **BKPBEBVRD**

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(57) **ABSTRACT**

A new and distinct cultivar of *Begonia* plant named 'BKPBEBVRD', characterized by its upright to somewhat outwardly spreading and mounded plant habit; freely basal branching habit; dark green-colored leaves; freely flowering habit; and single and semi-double bright red-colored flowers.

**2 Drawing Sheets**



Botanical designation: *Begonia boliviensis.*
Cultivar denomination: 'BKPBEBVRD'.

## BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Begonia* plant, botanically known as *Begonia boliviensis* and hereinafter referred to by the name 'BKPBEBVRD'.

The new *Begonia* plant is a product of a planned breeding program conducted by the Inventor in Maasdijk, The Netherlands. The objective of the breeding program was to develop new compact and freely branching and freely flowering *Begonia* plants with attractive flower colors.

The new *Begonia* plant originated from a cross-pollination made by the Inventor in September, 2010 of a proprietary selection of *Begonia boliviensis* identified as code number H10-358-01, not patented, as the female, or seed, parent with a proprietary selection of *Begonia boliviensis* identified as code number 10-000-26, not patented, as the male, or pollen, parent. The new *Begonia* 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 Maasdijk, The Netherlands in September, 2010.

Asexual reproduction of the new *Begonia* plant by tip cuttings in a controlled greenhouse environment in Maasdijk, The Netherlands since June, 2011 has shown that the unique features of this new *Begonia* plant are stable and reproduced true to type in successive generations.

## SUMMARY OF THE INVENTION

Plants of the new *Begonia* have not been observed under all possible 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 'BKPBEBVRD'. These characteristics in combination distinguish 'BKPBEBVRD' as a new and distinct *Begonia* plant:



1. Upright to somewhat outwardly spreading and mounded plant habit.
2. Freely basal branching habit.
3. Dark green-colored leaves.
4. Freely flowering habit.
5. Single and semi-double bright red-colored flowers.

Plants of the new *Begonia* can be compared to plants of the female parent selection. Plants of the new *Begonia* differ primarily from plants of the female parent selection in the following characteristics:

1. Plants of the new *Begonia* are more compact than plants of the female parent selection.
2. Flower tepals of plants of the new *Begonia* are bright red yellow in color whereas flower tepals of plants of the female parent selection are pale red in color.
3. Plants of the new *Begonia* have smaller flowers than plants of the female parent selection.

Plants of the new *Begonia* can be compared to plants of the male parent selection. Plants of the new *Begonia* differ primarily from plants of the male parent selection in the following characteristics:

1. Plants of the new *Begonia* are more freely branching than plants of the male parent selection.
2. Plants of the new *Begonia* have slightly smaller flowers than plants of the male parent selection.
3. Plants of the new *Begonia* have single and semi-double flowers whereas plants of the male parent selection only have single flowers.

Plants of the new *Begonia* can be compared to plants of the *Begonia boliviensis* 'Crackling Fire Red', not patented. In side-by-side comparisons conducted in Maasdijk, The Netherlands, plants of the new *Begonia* differed from plants of 'Crackling Fire Red' in the following characteristics:

1. Plants of the new *Begonia* were more freely branching than plants of 'Crackling Fire Red'.

2. Plants of the new *Begonia* had single and semi-double flowers whereas plants of 'Crackling Fire Red' only had single flowers.
3. Plants of the new *Begonia* had slightly smaller flowers than plants of 'Crackling Fire Red'.

## BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new *Begonia* plant showing the colors as true as it is reasonably possible to obtain in 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 colors of the new *Begonia* plant.

The photograph on the first sheet comprises a side perspective view of a typical flowering plant of 'BKPBEBVRD' grown in a container.

The photograph on the second sheet are close up views of typical flowers, flower buds and leaves of 'BKPBEBVRD'.

## DETAILED BOTANICAL DESCRIPTIONS

Plants used for the aforementioned photographs and the following observations and measurements were grown in 12-cm containers during the winter in a glass-covered greenhouse in Maasdijk, The Netherlands. During the production of the plants, day temperatures ranged from 19° to 20° C., night temperatures ranged from 18° to 19° C. and light levels averaged 6,000 lux. Plants were eight weeks old when the photographs and the description were taken. In the following description, color references are made to The Royal Horticultural Society Colour Chart, 2007 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Begonia boliviensis* 'BKPBEBVRD'.

Parentage:

*Female, or seed, parent*.—Proprietary selection of *Begonia boliviensis* identified as code number H10-358-01, not patented.

*Male, or pollen, parent*.—Proprietary selection of *Begonia boliviensis* identified as code number 10-000-26, not patented.

Propagation:

*Type*.—By tip cuttings.

*Time to initiate roots, summer and winter*.—About 20 days at temperatures about 25° C.

*Time to produce a rooted young plant, summer and winter*.—About 35 to 36 days at temperatures about 21° C. to 23° C.

*Root description*.—Fine, fibrous; light brown in color; plants of the new *Begonia* have not been observed to form tubers.

*Rooting habit*.—Moderate branching; medium density.

Plant description:

*Plant and growth habit*.—Upright, somewhat outwardly spreading and mounded plant habit; plant shape, spreading to flattened globular; freely basal branching with about six basal branches per plant; moderately vigorous growth habit.

*Plant height*.—About 16.3 cm.

*Plant width*.—About 21.4 cm.

*Lateral branch description*.—Length: About 7.8 cm. Diameter: About 4 mm. Internode length: About 1 cm. Texture: Sparsely hirsute. Aspect: About 40° from the vertical. Color, developing: Close to 152B to 152C. Color, fully developed: Close to 152A to 152B.

*Leaf description*.—Arrangement: Alternate, simple. Length: About 9.5 cm. Width: About 3.5 cm. Shape: Lanceolate to narrowly ovate, asymmetrical. Apex: Long and narrowly acute. Base: Oblique. Margin: Serrate. Texture, upper surface: Sparsely pubescent; velvety. Texture, lower surface: Sparsely pubescent. Venation pattern: Laciniate. Color: Developing leaves, upper surface: Close to 137C. Developing leaves, lower surface: Close to 147B. Fully expanded leaves, upper surface: Darker than between 139A and 147A; venation, close to 143B to 143C. Fully expanded leaves, lower surface: Close to 147B; margins, close to 176B; venation, close to 148A. Petioles: Length: About 1.6 cm. Diameter: About 2.5 mm. Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: Close to 152C tinged with close to 182D.

Flower description:

*Flowering habit*.—Single rotate female and semi-double cruciform sterile flowers arranged in axillary compound cymes; freely flowering habit with about eight flowers per lateral branch and about 48 flowers developing per plant; flowers face outwardly to drooping.

*Fragrance*.—None detected.

*Natural flowering season*.—Plants begin flowering about seven weeks after planting; long flowering period, plants flower freely and continuously from spring into the autumn in The Netherlands.

*Flower longevity*.—Individual flowers last about ten days on the plant; flowers not persistent.

*Inflorescence height*.—About 7.3 cm.

*Inflorescence diameter*.—About 10.9 cm.

*Female flowers*.—Flower diameter: About 5.4 cm. Flower height: About 4.2 cm. Flower buds: Length: About 2.3 cm.. Diameter: About 5 mm to 9 mm. Shape: Ovate, flattened. Color: Close to N34A. Tepals: Quantity per flower and arrangement: Five in a single whorl. Length: About 3.9 cm. Width: About 1.2 cm. Shape: Lanceolate to narrowly oblong. Apex: Acute. Margin: Entire. Texture, upper surface: Smooth, glabrous; velvety. Texture, lower surface: Smooth, glabrous; slightly velvety. Color: When opening, upper surface: Between 45C and 46C. When opening, lower surface: Between 45B and 46C. Fully opened, upper surface: Between 45C and 46C; color does not fade with development. Fully opened, lower surface: Between 45B and 46B; color does not fade with development.

*Sterile flowers*.—Flower diameter: About 5.1 cm. Flower height: About 2.9 cm. Flower buds: Length: About 1.8 cm. Diameter: About 5 mm to 11 mm. Shape: Ovate, flattened. Color: Close to N34A. Tepals: Quantity per flower and arrangement: Four in a single whorl. Length: About 3.4 cm. Width: About 8 mm or 2 cm. Shape: Two tepals, ovate; and other two tepals, narrowly oblong. Apex: Acute. Margin: Entire. Texture, upper surface: Smooth, glabrous; velvety. Texture, lower surface: Smooth, glabrous; slightly velvety. Color: When opening, upper surface: Between 45C and 46C. When opening, lower surface: Between 45B and 46C. Fully opened, upper surface: Between 45C and 46C; color does not fade with

development. Fully opened, lower surface: Between 45B and 46B; color does not fade with development. Tepaloids: Quantity per flower and arrangement: About 18 in several whorls. Length: About 1.8 cm. Width: About 4 mm. Shape: Lanceolate to oblanceolate. Apex: Acute. Margin: Entire. Texture, upper surface: Smooth, glabrous; velvety. Texture, lower surface: Smooth, glabrous; slightly velvety. Color: When opening, upper surface: Between 45C and 46C. When opening, lower surface: Between 45B and 46C. Fully opened, upper surface: Between 45C and 46C; main vein, close to 15B; color does not fade with development. Fully opened, lower surface: Between 45B and 46B; main vein, close to 15B; color does not fade with development.

*Peduncles*.—Length: About 4.4 cm. Diameter: About 2 mm. Angle: About 45° from branch axis. Strength: Flexible, bending with the weight of the flowers. Texture: Smooth, glabrous. Color: Close to 146C to 146D.

*Pedicels, female flowers*.—Length: About 3.5 cm. Diameter: About 1.5 mm. Angle: About 35° from the peduncle axis. Strength: Flexible, bending with the weight of the flowers. Texture: Smooth, glabrous. Color: Close to 146C to 146D.

*Pedicels, sterile flowers*.—Length: About 1.5 cm. Diameter: About 1.5 mm. Angle: About 35° from the peduncle axis. Strength: Flexible, bending with the weight of the flowers. Texture: Smooth, glabrous. Color: Close to 146C to 146D.

*Reproductive organs*.—Androecium: No stamens present on female or sterile flowers. Gynoecium, female flowers: Quantity of pistils per flower: About six. Pistil length: About 9 mm. Style length: About 3 mm. Style color: Close to 22A. Stigma color: Close to 17A and 17B. Ovary color: Close to 145A; wings, close to 46A. Gynoecium, sterile flowers: Quantity of pistils per flower: One. Pistil length: About 9 mm. Style length: About 3 mm. Style color: Close to 28A to 28B. Stigma color: Close to 17A and 17B. Ovary color: Not present on sterile flowers.

Disease & pest resistance: Resistance to pathogens and pests common to *Begonia* plants has not been observed on plants of the new *Begonia*.

Temperature tolerance: Plants of the new *Begonia* have been observed to tolerate high temperatures of about 35° C. and to be hardy to USDA Hardiness Zone 10.

It is claimed:

**1**. A new and distinct *Begonia* plant named 'BKPBEB-VRD' as illustrated and described.

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