



US00PP20130P2

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

(10) **Patent No.:** **US PP20,130 P2**

(45) **Date of Patent:** **Jun. 30, 2009**

(54) **BEGONIA PLANT NAMED ‘BINOS PINKY WHITE’**

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

(50) Latin Name: *Begoniaxhiemalis*
Varietal Denomination: **Binos Pinky White**

(52) **U.S. Cl.** **Plt./348**

(58) **Field of Classification Search** **Plt./345,**
Plt./348

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See application file for complete search history.

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

(57) **ABSTRACT**

A new and distinct cultivar of *Begonia* plant named ‘Binos Pinky White’, characterized by its upright and mounded plant habit; freely branching habit; double flowers that are light pink to white in color and held above and beyond the foliage; and excellent postproduction longevity.

(21) Appl. No.: **12/077,206**

2 Drawing Sheets

(22) Filed: **Mar. 17, 2008**

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Botanical designation: *Begoniaxhiemalis*.
Cultivar denomination: ‘Binos Pinky White’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Begonia* plant, botanically known as *Begoniaxhiemalis*, commercially known as *Elatior Begonia* and hereinafter referred to by the name ‘Binos Pinky White’.

The new *Begonia* is a naturally-occurring whole plant mutation of the *Begoniaxhiemalis* cultivar Binos, disclosed in U.S. Plant Pat. No. 13,657. The new *Begonia* was discovered and selected by the Inventor as a flowering plant from within a population of plants of the parent cultivar in a controlled greenhouse environment in Ermelo, The Netherlands in November, 2002.

Asexual reproduction of the new *Begonia* by cuttings taken in a controlled greenhouse environment in Ermelo, the Netherlands since January, 2003, has shown that the unique features of this new *Begonia* are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

The cultivar Binos Pinky White has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, daylength 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 ‘Binos Pinky White’. These characteristics in combination distinguish ‘Binos Pinky White’ as a new and distinct *Begonia*:

1. Upright and mounded plant habit.
2. Freely branching habit.
3. Double flowers that are light pink to white in color and held above and beyond the foliage.
4. Excellent postproduction longevity.

Plants of the new *Begonia* differ primarily from plants of the parent, the cultivar Binos, in flower color as plants of the cultivar Binos have dark pinkish red-colored flowers.

Plants of the new *Begonia* can also be compared to plants of the cultivar Binos Soft Pink, disclosed in U.S. Plant Pat. No. 16,344. In side-by-side comparisons conducted in Ermelo, The Netherlands, plants of the new *Begonia* differed primarily from plants of the cultivar Binos Soft Pink in flower color as plants of the cultivar Binos Soft Pink had pink-colored flowers.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new *Begonia*, 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*.

The photograph on the first sheet comprises a side perspective view of a typical flowering plant of ‘Binos Pinky White’ grown in a container.

The photograph on the second sheet is a close up view of upper and lower surfaces of typical leaves (left) and upper, side and lower surfaces of typical flowers (right) of ‘Binos Pinky White’.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to The Royal Horticultural Society Colour Chart, 2001 Edition, except where general terms of ordinary dictionary significance are used. The aforementioned photographs and following observations and measurements describe plants grown in Ermelo, The Netherlands, under commercial practice in a glass-covered greenhouse during the winter. Average day and night temperatures were 20° C. during the first three to four weeks then lowered to an average day and night temperature of 18° C. until flowering. Four weeks after planting rooted cuttings in 13-cm containers, two five-day periods of long nyctoperiods of 16 hours were given and were separated by two days and subsequently followed by short nyctoperiods of eight hours until flowering. Plants were pinched one time about one week after planting. Plants

were about 14 weeks from planting when the photographs and description were taken.

Botanical classification: *Begoniaxhiemalis* cultivar Binos Pinky White.

Commercial classification: Elatior *Begonia*.

Parentage: Naturally-occurring whole plant mutation of the *Begoniaxhiemalis* cultivar Binos, disclosed in U.S. Plant Pat. No. 13,657.

Propagation:

Type.—By terminal vegetative cuttings.

Time to develop roots.—About 20 days at temperatures 20° C.

Time to produce a rooted young plant.—About five weeks at temperatures of 20° C.

Root description.—Fine, fibrous, well-branched; white/orange in color. Plants of the new *Begonia* have not been observed to form tubers.

Plant description:

Plant form.—Compact, upright and mounded plant habit, inverted triangle; freely branching with good stem and stem base strength. Flowers are double and abundant. Plants flower continuously.

Growth habit.—Vigorous growth habit; suitable for 12 to 15-cm containers. Under optimal environmental and cultural conditions, usually about 14 weeks are required to produce proportional 13-cm potted plants from cuttings. Vegetative shoots are formed at basal nodes and flowering shoots are formed at upper nodes.

Plant height.—About 28 cm.

Plant width.—About 35 cm.

Leaves.—Arrangement: Simple, alternate. Developing leaves, length: About 7 cm. Developing leaves, width: About 7 cm. Fully expanded leaves, length: About 14 cm. Fully expanded leaves, width: About 13 cm. Shape: Roughly reniform. Apex: Acuminate to acute. Base: Cordate; oblique. Margin: Doubly serrate. Texture, upper and lower surfaces: Smooth, glabrous. Venation pattern: Palmate. Color: Developing leaves, upper surface: Close to 147A. Developing leaves, lower surface: Close to 147B. Fully expanded leaves, upper surface: Darker than 147A; venation, 147B. Fully expanded leaves, lower surface: Close to 147B; venation, 146B to 146C. Petiole length: About 1.5 cm to 7 cm. Petiole texture, upper and lower surfaces: Slightly pubescent. Petiole color, upper and lower surfaces: Close to 144B to 144C; with development, color becoming closer to 173A.

Flower description:

Flowering habit.—Double flowers with numerous tepals arranged in axillary cymes. Usually five to nine flowers per cyme. Many cymes in flower simul-

taneously. Flowers positioned above and beyond the foliage. Flowering continuous.

Natural flowering season.—Plants will flower year round regardless of nyctoperiod, however plants flower earlier and more abundantly from mid-February until November in the Northern Hemisphere.

Flowers.—Shape: Rounded; rose-like. Diameter: About 6 cm to 6.5 cm. Depth (height): About 2.5 cm.

Flower buds.—Length: About 1 cm to 2.2 cm. Diameter: About 0.9 cm to 2.5 cm. Color: Close to 10D; towards the margin, 4D.

Tepals.—Arrangement: Rosette. Quantity per flower: Usually about 35 per flower. Size: Outer tepals, length: About 3 cm to 3.6 cm. Outer tepals, width: About 3.8 cm to 4.2 cm. Inner tepals, length: About 1.5 cm to 2.8 cm. Inner tepals, width: About 1.4 cm to 3.4 cm. Shape: Rounded flabellate. Apex: Rounded. Margin: Slightly crenate. Texture, upper and lower surfaces: Smooth, glabrous; satiny. Color: When opening, upper surface: Close to 155B. When opening, lower surface: Close to N155D. Fully opened, upper surface: Close to 155C; outer petals, 19D; towards the margins, 49A. Fully opened, lower surface: Close to 155C; outer petals, 20D; towards the margins, 48D.

Flower bracts.—Quantity/arrangement: Two, opposite. Shape: Rounded. Apex: Acute. Margin: Serrate. Texture, upper and lower surfaces: Glabrous, smooth. Color, upper surface: Close to 146B. Color, lower surface: Close to 146B to 146C.

Peduncles.—Angle: Erect. Length: About 5 cm to 8 cm. Texture: Slightly pubescent. Color: Close to 144B.

Pedicels.—Angle: Erect. Length: About 1.2 cm to 3 cm. Texture: Smooth, glabrous. Color: Close to 145A.

Reproductive organs.—Stamens: None observed. Pistils: None observed.

Seed/fruit.—Seed and fruit production have not been observed as reproductive organs are not formed.

Postproduction longevity:

Individual flowers.—Generally about two to three weeks.

Whole plants.—About seven weeks under interior conditions.

Disease/pest resistance: Resistance to pathogens and pests common to *Begonia* has not been observed.

Temperature tolerance: Plants of the new *Begonia* have been observed to tolerate temperatures from about 10° C. to about 35° C.

It is claimed:

1. A new and distinct *Begonia* plant named 'Binos Pinky White' as illustrated and described.

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