US00PP36445P2

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

(10) **Patent No.: US PP36,445 P2**
(45) **Date of Patent: Feb. 11, 2025**

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

(50) Latin Name: ***Begonia* x *hiemalis***
Varietal Denomination: **Dobegmotwohopi**

(71) Applicant: **DUMMEN GROUP B.V.**, De Lier (NL)

(72) Inventor: **Rami Mousa**, De Lier (NL)

(73) Assignee: **DÜMMEN GROUP B.V.**, De Lier (NL)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 72 days.

(21) Appl. No.: **18/543,880**

(22) Filed: **Dec. 18, 2023**

(51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/18 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./349**
CPC ***A01H 6/185*** (2018.05)

(58) **Field of Classification Search**
USPC Plt./349
CPC A01H 6/185; A01H 5/02
See application file for complete search history.

Primary Examiner — Keith O. Robinson
(74) *Attorney, Agent, or Firm* — C. Anne Whealy

(57) **ABSTRACT**

A new and distinct cultivar of *Begonia* plant named 'Dobegmotwohopi', characterized by its relatively compact, upright and mounded plant habit; moderately vigorous growth habit; strong branching habit; dark green-colored leaves; freely and continuously flowering habit; and medium to large double-type flowers that are vivid purplish pink in color.

1 Drawing Sheet

Botanical designation: *Begonia* x *hiemalis*.
Cultivar denomination: 'DOBEGMOTWOHOPI'.

STATEMENT REGARDING PRIOR DISCLOSURES BY INVENTOR and APPLICANT/ASSIGNEE

The Inventor and Applicant/Assignee assert that no sales, offers for sale or public distribution of the instant plant occurred more than one year prior to the effective filing date of this application.

Any information about the claimed plant would have been obtained from a direct or indirect disclosure from the Inventor and/or Applicant/Assignee. Inventor and Applicant/Assignee claim a prior art exception under 35 U.S.C. 102(b)(1) for disclosures and/or sales prior to the filing date but less than one year prior to the effective filing date.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Begonia* plant, botanically known as *Begonia* x *hiemalis*, commercially referred to as an Elatior *Begonia* and hereinafter referred to by the name 'Dobegmotwohopi'.

The new *Begonia* plant is a product of a planned breeding program conducted by the Inventor in De Lier, The Netherlands. The objective of the breeding program was to develop new freely flowering *Begonia* plants with strong branches and large double-type flowers.

The new *Begonia* plant originated from a cross-pollination made by the Inventor during the autumn of 2018 of a proprietary selection of *Begonia* x *hiemalis* identified as code number BG15-000801-001, not patented, as the female, or seed, parent with a proprietary selection of *Begonia* x *hiemalis* identified as code number BG-1463, 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 De Lier, The Netherlands during the spring of 2019.

Asexual reproduction of the new *Begonia* plant by vegetative tip cuttings in a controlled greenhouse environment in De Lier, The Netherlands since the autumn of 2019 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 combinations of environmental conditions and cultural practices. The phenotype may vary somewhat with variations in environment 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 'Dobegmotwohopi'. These characteristics in combination distinguish 'Dobegmotwohopi' as a new and distinct *Begonia* plant:

1. Relatively compact, upright and mounded plant habit.
2. Moderately vigorous growth habit.
3. Strong branching habit.
4. Dark green-colored leaves.
5. Freely and continuously flowering habit.
6. Medium to large double-type flowers that are vivid purplish pink in color.

Plants of the new *Begonia* can be compared to plants of the female parent selection. In side-by-side comparisons, plants of the new *Begonia* differ primarily from plants of the female parent selection in the following characteristics:

1. Leaves of plants of the new *Begonia* are dark green in color whereas leaves of plants of the female parent selection are dark brown in color.
2. Leaves of plants of the new *Begonia* are glossier than leaves of plants of the female parent selection.

3. Flowers of plants of the new *Begonia* are vivid purplish pink in color whereas flowers of plants of the female parent selection are soft orange/salmon in color.

Plants of the new *Begonia* can be compared to plants of the male parent selection. In side-by-side comparisons, 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. Leaves of plants of the new *Begonia* are darker green in color than leaves of plants of the male parent selection.
3. Plants of the new *Begonia* have larger flowers than plants of the male parent selection.
4. Flowers of plants of the new *Begonia* are vivid purplish pink in color whereas flowers of plants of the male parent selection are peachy pink in color.

Plants of the new *Begonia* can be compared to plants of *Begonia* x *hiemalis* 'Dobegmotwosal', disclosed in a U.S. Plant Patent application filed concurrently. In side-by-side comparisons, plants of the new *Begonia* differ primarily from plants of 'Dobegmotwosal' in the following characteristics:

1. Plants of the new *Begonia* have smaller leaves than plants of 'Dobegmotwosal'.
2. Flowers of plants of the new *Begonia* are vivid purplish pink in color whereas flowers of plants of 'Dobegmotwosal' are salmon pink in color.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates 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 photograph 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 is a side perspective view of a typical flowering plant of 'Dobegmotwohopi' grown in a container.

DETAILED BOTANICAL DESCRIPTION

Plants used for the aforementioned photograph and following observations and measurements were grown in 12-cm containers during the summer in a glass-covered greenhouse in De Lier, The Netherlands. During the production of the plants, day temperatures ranged from 20 C. to 35 C., night temperatures ranged from 17 C to 25 C. and minimum light levels were 135 watt/m^2. Plants were twelve weeks old when the photograph and the description were taken. In the following description, color references are made to The Royal Horticultural Society Colour Chart, Fifth Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Begonia* x *hiemalis* 'Dobegmotwohopi'.

Parentage:

Female, or seed, parent.—Proprietary selection of *Begonia* x *hiemalis* identified as code number BG15-000801-001, not patented.

Male, or pollen, parent.—Proprietary selection of *Begonia* x *hiemalis* identified as code number BG-1463, not patented.

Propagation:

Type.—By vegetative tip cuttings.

Time to initiate roots, summer.—About 18 days at temperatures about 22 C. to 30 C.

Time to initiate roots, winter.—About 21 days at temperatures about 20 C. to 22 C.

Time to produce a rooted young plant, summer.—About 22 to 25 days at temperatures about 22 C. to 30 C.

Time to produce a rooted young plant, winter.—About 25 to 28 days at temperatures about 20 C. to 22 C.

Root description.—Medium in thickness, fibrous; whitish grey in color, actual color of the roots is dependent on substrate composition, water quality, fertilizer type and formulation, substrate temperature and physiological age of roots; plants of the new *Begonia* have not been observed to form tubers.

Rooting habit.—Moderately freely branching; medium density.

Plant description:

Plant form and growth habit.—Relatively compact, upright to mounded plant habit; freely basal branching with about four primary lateral branches each with about four secondary lateral branches; moderately vigorous growth habit and moderate growth rate.

Plant height, soil level to top of foliar plane.—About 16 cm.

Plant height, soil level to top of floral plane.—About 20 cm.

Plant width.—About 30 cm.

Lateral branch description.—Length: About 12 cm. Diameter: About 1.2 cm. Internode length: About 1.5 cm. Texture and luster: Pubescent; semi-glossy. Aspect: Mostly upright. Strength: Moderately strong, flexible. Color, developing: Close to 144B. Color, developed: Close to 144B; at the internodes, close to 143B.

Leaf description.—Arrangement: Alternate, simple. Length: About 16 cm. Width: About 12 cm. Shape: Cordate. Apex: Narrowly acute. Base: Oblique. Margin: Serrate; sinuses medium in depth and divergent. Texture and luster, upper surface: Smooth, glabrous; semi- glossy. Texture and luster, lower surface: Pubescent; semi-glossy. Venation pattern: Palmate; reticulate. Color: Developing leaves, upper surface: Close to 143A tinged with 166A. Developing leaves, lower surface: Close to 143A tinged with 60A. Fully expanded leaves, upper surface: Close to 131A; venation, close to 131B. Fully expanded leaves, lower surface: Close to 143A tinged with 59B; venation, close to 144B. Petioles: Length: About 6 cm. Diameter: About 5 mm. Texture and luster, upper and lower surfaces: Smooth, glabrous; semi-glossy. Strength: Moderately strong; flexible. Color, upper and lower surfaces: Close to 144A.

Flower description:

Flowering habit.—Fully double-type flowers arranged in axillary cymes; freely flowering habit with typically about two or three flowers per inflorescence and about 29 to 50 open flowers and flower buds per plant at one time; flowers face mostly upright to outwardly.

Fragrance.—None detected.

Natural flowering season.—Plants begin flowering about ten to twelve weeks after planting; long flowering period, in the garden plants flower freely and continuously from the late spring throughout the summer in Northern Europe and can be flowered year-round in greenhouses.

Flower longevity.—Depending on temperature, individual flowers last about four to five weeks on the plant; flowers persistent.

Inflorescence height.—About 6 cm.

Inflorescence diameter.—About 6 cm.

Flower buds.—Length: About 1.5 cm. Diameter: About 1.5 cm. Shape: Ovoid. Texture and luster: Smooth, glabrous; semi-glossy. Color: Close to 61B.

Flower size.—Diameter: About 5.5 cm by 5.5 cm. Depth (height): About 2.5 cm.

Petals.—Quantity per flower and arrangement: Typically four to five per flower arranged in a single whorl. Length: About 2.8 cm. Width: About 3 cm. Shape: Obovate. Apex: Rounded and emarginate. Base: Cuneate and truncate. Margin: Entire; not undulate. Texture and luster, upper surface: Smooth, glabrous; matte. Texture and luster, lower surface: Smooth, glabrous; semi-glossy. Color: When opening and fully opened, upper surface: Close to 57A. When opening and fully opened, lower surface: Close to 58B.

Petaloids.—Quantity per flower and arrangement: Typically 18 to 20 per flower arranged in about seven whorls. Length: About 2 cm. Width: About 1.6 cm. Shape: Obovate. Apex: Rounded. Base: Cuneate. Margin: Entire; slightly undulate. Texture and luster, upper and lower surfaces: Smooth, glabrous; semi-glossy. Color: When opening and fully opened, upper surface: Close to N66A. When opening and fully opened, lower surface: Close to N66C.

Sepals.—Quantity per flower and arrangement: Typically two per flower arranged in a single whorl. Length: About 1 cm. Width: About 7 mm. Shape: Obovate. Apex: Rounded and emarginate. Base: Cuneate and truncate. Margin: Entire. Texture and luster, upper and lower surfaces: Smooth, glabrous; semi-glossy. Color: When opening, upper surface: Close to 144A tinged with close to 60C. When opening, lower surface: Close to 144A tinged with close to 60A. Fully opened, upper surface: Close to 144A. Fully opened, lower surface: Close to 144A tinged with close to 60B.

Peduncles.—Length: About 4.5 cm. Diameter: About 4 mm. Aspect: Semi-upright. Strength: Moderately strong; flexible. Texture and luster: Smooth, glabrous; glossy. Color: Close to 164B.

Pedicels.—Length: About 2 cm. Diameter: About 3 mm. Aspect: Upright to outwardly. Strength: Moderately strong; flexible. Texture and luster: Smooth, glabrous; glossy. Color: Close to 179A.

Reproductive organs.—All reproductive organs are transformed into tepaloids.

Pathogen & pest resistance: To date, 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 temperatures ranging from about 10 C. to about 35 C.

It is claimed:

1. A new and distinct *Begonia* plant named 'Dobegmotwohopi' as illustrated and described.

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