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Dümmen

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(54) **NEW GUINEA IMPATIENS PLANT NAMED**
'DUEIMRIORNI'

(52) **U.S. Cl.** **Plt./318**

(58) **Field of Search** **Plt./318**

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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 New Guinea Impatiens plant named 'Dueimriorni', characterized by its large orange-colored flowers; freely flowering habit with flowers positioned above the foliage; upright, mounded, densely foliated and freely branching plant habit; and dark green leaves.

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(51) **Int. Cl.⁷** **A01H 5/00**

1 Drawing Sheet

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BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of New Guinea Impatiens plant, botanically known as *Impatiens hawkeri*, and hereinafter referred to by the cultivar name 'Dueimriorni'.

The new Impatiens is a product of a planned breeding program conducted by the Inventor in Rheinberg, Germany. The objective of the breeding program was to develop new New Guinea Impatiens cultivars with large flowers and interesting flower and foliage colors.

The new Impatiens originated from a cross made by the Inventor of the *Impatiens hawkeri* selection identified as D8, not patented, as the male, or pollen parent, with the *Impatiens hawkeri* selection identified as D0/39, not patented, as the female, or seed parent. The cultivar 'Dueimriorni' was discovered and selected by the Inventor as a flowering plant within the progeny of the stated cross in a controlled environment in Rheinberg, Germany. Plants of the new Impatiens differ from plants of both parent selections in foliage and flower color.

Asexual reproduction of the new cultivar by terminal cuttings taken at Rheinberg, Germany, has shown that the unique features of this new Impatiens are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and are determined to be the unique characteristics of 'Dueimriorni'. These characteristics in combination distinguish 'Dueimriorni' as a new and distinct cultivar:

1. Large orange-colored flowers.
2. Freely flowering habit.
3. Flowers positioned above the foliage.
4. Upright and mounded plant habit.
5. Freely branching habit.
6. Dark green leaves; densely foliated.

Plants of the new Impatiens differ from plants of the New Guinea Impatiens cultivar 'Duerior' disclosed in U.S. Plant patent application Ser. No. 09/512,631, primarily in flower color, as plants of the cultivar 'Duerior' have darker orange-colored flowers than plants of the new Impatiens.

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BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the overall appearance of the new cultivar, 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 actual colors of the new Impatiens. The photograph comprises a top perspective view of a typical flowering plant of 'Dueimriorni'.

DETAILED BOTANICAL DESCRIPTION

The cultivar Dueimriorni has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature and light intensity, without, however, any variance in genotype. The following observations and measurements describe plants grown in Rheinberg, Germany, under commercial practice in a glass-colored greenhouse with day and night temperatures about 18° C. and light levels generally about 4,500 lux. Plants were about 14 weeks old after planting from an unrooted cutting.

In the following description, color references are made to The Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used.

Botanical classification: *Impatiens hawkeri* cultivar 'Dueimriorni'.

Parentage:

Male parent.—*Impatiens hawkeri* selection identified as D8, not patented.

Female parent.—*Impatiens hawkeri* selection identified as D0/39, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—Summer: About 10 days to 22° C. Winter: About 12 days at 22° C.

Time to produce a rooted cutting or liner.—Summer: About 21 days at 22° C. Winter: About 24 days at 22° C.

Root description.—Numerous, freely branching and thick.

Plant description:

General appearance.—Upright and mounded. Appropriate for 10 to 15-cm containers.

Growth and branching habit.—Very freely branching with about 19 lateral branches at the base, dense and bushy growth. Pinching, that is, removal of the terminal apices, is typically not required. Moderate growth rate.

Crop time.—From an unrooted cutting, about 14 weeks are required to produce a finished flowering plant in a 12 or 13-cm container.

Plant height.—About 18.5 cm. from soil level to top of flowers.

Plant diameter.—About 22 cm.

Lateral branches.—Length: About 14.5 cm. Diameter: About 7.1 mm. Internode length: About 3.3 cm. Color: 182A.

Foliage description.—Leave abundant, densely foliated. Quantity of leaves per lateral branch: About 19. Length: About 8 cm. Width: About 2.8 cm. Shape: Elliptic. Apex: Apiculate. Base: Attenuate. Margin: Serrulate with ciliation. Texture: Rugose. Color: Young foliage, upper surface: 131A. Young foliage, lower surface: 183A. Fully expanded foliage, upper surface: 139A. Fully expanded foliage, lower surface: 183C. Venation, upper surface: 59B. Venation, lower surface: 187B. Petiole: Length: About 1.5 cm. Diameter: About 2.8 mm. Color: Upper surface: 53A. Lower surface: 187B.

Flower description:

Flower type and flowering habit.—Large single orange flowers; freely flowering. Usually about 7 flowers and flower buds per lateral branch and about 120 flowers and flower buds on a mature plant. Flowers positioned above the foliage and typically face outward to upward. Flowers generally flat and rounded. Flowers last about 12 days on the plant depending on

temperature and weather conditions. Flowers self-cleaning. Flowers not fragrant.

Flowering season.—Year-round under greenhouse conditions. In the garden, flowering from spring until fall. Flowering intermittent.

Flower diameter.—About 4.7 cm.

Flower depth.—About 1 cm.

Flower buds.—Rate of opening: From showing color to fully open flower, typically about 2 to 3 days depending on temperature. Length: About 1.6 cm. Diameter: About 1 cm. Shape: Ovoid. Color: 43A.

Petals.—Quantity: Single, five per flower. Length: About 2.8 cm. Width: About 3.8 cm. Shape: Obcordate. Apex: Emarginate to cordate. Base: Acute. Margin: Entire. Texture: Smooth. Color: When opening, upper surface: 40B; base 57A to 68B. When opening, lower surface: 40C. Fully opened, upper surface: 40A to 40B; base 57A to 68B. Fully opened, lower surface: 40C.

Spur.—Shape: Narrow and curved. Length: About 4.3 cm. Color: 52A.

Peduncles.—Length: About 3.4 cm. Strength: Strong. Color: 145A.

Reproductive organs.—Androecium: Stamen number: 5. Anther length: Oval. Anther size: About 5 mm. Anther color: 50A. Amount of pollen: Abundant. Pollen color: 158D. Gynoecium: Pistil quantity: One. Pistil length: About 6.9 mm. Stigma color: 59A. Ovary color: 139D.

Disease resistance: Resistance to known pathogens of New Guinea Impatiens has not been observed.

Seed development: Seed production has not been observed.

It is claimed:

1. A new and distinct cultivar of New Guinea Impatiens plant named 'Dueimriorni', as illustrated and described.

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