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(54) **NEW GUINEA IMPATIENS PLANT NAMED ‘TAMAR ORANGE’**

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(57) **ABSTRACT**

A new and distinct cultivar of New Guinea Impatiens plant named ‘Tamar Orange’, characterized by its large, intense orange-colored flowers; freely flowering habit with flowers positioned above or beyond the foliage; upright, somewhat outwardly spreading, rounded, uniform and compact plant habit; freely branching growth habit; and dark green leaves.

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 name Tamar Orange.

The new Impatiens is a product of a planned breeding program Inventor in Maasland, The Netherlands. The objective of the breeding program is to develop new Impatiens cultivars with uniform plant habit and attractive flower and foliage colors.

The new Impatiens originated from a cross made by the Inventor in 1997 of the *Impatiens hawkeri* cultivar Prepona, disclosed in U.S. Plant Pat. No. 9,150, as the male, or pollen parent, with the Inventor’s proprietary *Impatiens hawkeri* selection code No. 944206, not patented, as the female, or seed parent. The cultivar Tamar Orange was discovered and selected by the Inventor as a flowering plant within the progeny of the stated cross in a controlled environment in Maasland, The Netherlands in 1997.

Asexual reproduction of the new cultivar by terminal cuttings taken in Maasland, The Netherlands, 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 ‘Tamar Orange’. These characteristics in combination distinguish ‘Tamar Orange’ as a new and distinct Impatiens cultivar:

1. Large intense orange-colored flowers.
2. Freely flowering habit with flowers positioned above or beyond the foliage.
3. Upright, somewhat outwardly spreading, rounded, uniform and compact plant habit.
4. Freely branching growth habit.
5. Dark green leaves.

In side-by-side comparisons conducted by the Inventor in Maasland, The Netherlands, plants of the new Impatiens differ from plants of the male parent, the cultivar Prepona, in the following characteristics:

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1. Plants of the new Impatiens are more uniform in growth habit than plants of the cultivar Prepona.
 2. Plants of the new Impatiens have slightly smaller flowers than plants of the cultivar Prepona.
 3. Flower color of plants of the new Impatiens is more orange than flower color of plants of the cultivar Prepona.
- Plants of the new Impatiens can be compared to plants of the cultivar Timor, disclosed in U.S. Plant Pat. No. 9,144. In side-by-side comparisons conducted by the Inventor in Maasland, The Netherlands, plants of the new Impatiens are more uniform in plant habit and have larger flowers than plants of the cultivar Timor.

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 ‘Tamar Orange’ grown in a 12.5-cm container.

DETAILED BOTANICAL DESCRIPTION

The cultivar Tamar Orange has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, light intensity, water status and fertility level, without, however, any variance in genotype. The following observations and measurements describe plants grown in Maasland, The Netherlands, during the early autumn, under commercial practice in a glass-covered greenhouse. Plants used in the following description were about 10 to 12 weeks old from planting rooted cuttings and grown in 12.5-cm containers with one plant per container.

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 Tamar Orange.

Commercial classification: New Guinea Impatiens cultivar Tamar Orange.

Parentage:

Male parent.—*Impatiens hawkeri* cultivar Prepona, disclosed in U.S. Plant Pat. No. 9,150.

Female parent.—Inventor's proprietary *Impatiens hawkeri* selection code No. 944206, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—Summer: About 5 to 7 days at 19 to 20° C. Winter: About 6 to 8 days at 19 to 20° C.

Time to produce a rooted cutting or liner.—Summer: About 14 to 19 days at 19 to 20° C. Winter: About 14 to 21 days at 19 to 20° C.

Root description.—Numerous, fibrous, and freely branching.

Plant description:

General appearance.—Upright, somewhat outwardly spreading, rounded, uniform and compact plant habit. Appropriate for 10 to 25-cm containers; multiple plants are typically planted in larger containers.

Growth and branching habit.—Freely branching with about 8 lateral branches at the base. Pinching, that is, removal of the terminal apices, is typically not required. Moderately vigorous.

Crop time.—From a rooted cutting, about 10 to 12 weeks are required to produce finished flowering plants in 12-5-cm containers.

Plant height.—About 15.5 cm.

Plant diameter.—About 31.6 cm.

Lateral branches.—Length: About 14.3 cm. Diameter: About 8 mm. Internode length (lower internodes): About 4.5 cm. Color: 187A to 187B.

Foliage description.—Arrangement: Opposite or whorled. Length: About 10.6 cm. Width: About 4.3 cm. Shape: Broadly elliptic. Apex: Acute to acuminate. Base: Attenuate. Margin: Serrulate with ciliation. Texture: Leathery; glabrous. Aspect: Somewhat arching. Color: Young and fully expanded foliage, upper surface: Darker than 147A. Young and fully expanded foliage, lower surface: Close to 147B. Midvein, upper surface: 53A; distally, 147C to 147D. Midvein, lower surface: Close to 59A. Petiole: Length: About 3.4 cm. Diameter: About 3 mm. Color: 53A.

Flower description:

Flower type and flowering habit.—Single intense orange-colored flowers. Freely flowering, usually about 9 flowers and flower buds per lateral branch. Flowers positioned above and beyond the foliage and

typically face upward or outward. Flowers cupped when opening then mostly flat when opened. Flowers roughly orbicular in shape. Flowers last about 7 to 14 days on the plant depending on temperature and weather conditions. Petals self-cleaning; gynoecium persistent. Flowers not fragrant.

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

Flower length.—About 6.6 cm.

Flower width.—About 6.3 cm.

Flower depth.—about 8 mm.

Flower buds (just before opening).—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 8 mm. Shape: Ovoid. Color: Darker than 33A.

Petals.—Quantity: Single, five per flower. Length: Banner petal: About 3 cm. Lateral petals: About 3.7 cm. Base petals: About 3.5 cm. Width: Banner petal: About 4.3 cm. Lateral petals: About 3.5 cm. Base petals: About 3.6 cm. Shape: Roughly cordate. Apex: Emarginate. Base: Attenuate. Margin: Entire. Texture: Smooth; velvety. Color: When opening and fully opened, upper surface: More intense than 33A; color does not fade with subsequent development. When opening and fully opened, lower surface: 33A.

Spur.—Length: About 5.3 cm. Diameter: About 2.5 mm at flower; apex, about 1 mm. Color: Proximally, 53A; distally, 59A.

Peduncles.—Length: About 6.5 cm. Diameter: About 2 mm. Strength: Strong, flexible. Aspect: Mostly upright. Color: 53A to 59A.

Reproductive organs.—Androecium: Stamen number: Five fused at anthers, filaments free. Anther shape: Obovate. Anther size: About 5.5 mm by 2.5 mm. Anther color: Apex, 11D; base, close to 53A. Amount of pollen: Moderate. Pollen color: 11C to 11D. Gynoecium: Pistil length: about 4 mm. Stigma color: 11C to 11D. Style color: 144C. Ovary color: 144C.

Seed development.—Seed development has not been observed.

Disease resistance: Plants of the new *Impatiens* have not been observed to be resistant to pathogens common to *Impatiens*.

It is claimed:

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

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