



US00PP10302P

United States Patent [19]

[11] Patent Number: Plant 10,302

Kientzler

[45] Date of Patent: Mar. 24, 1998

[54] NEW GUINEA IMPATIENS PLANT NAMED 'TAGULA'

[58] Field of Search Plt./87.6

[75] Inventor: Ludwig Kientzler, Gensingen, Germany

Primary Examiner—James R. Feyrer
Attorney, Agent, or Firm—C. A. Whealy

[73] Assignee: Paul Ecke Ranch, Inc., Encinitas, Calif.

[57] ABSTRACT

[21] Appl. No.: 778,869

A new and distinct cultivar of New Guinea Impatiens plant named 'Tagula', characterized by its large orange and light pink bi-colored flowers; rounded and mounded growth habit; and dark purple, slightly glossy, non-variegated foliage.

[22] Filed: Jan. 2, 1997

[51] Int. Cl.⁶ A01H 5/00

[52] U.S. Cl. Plt./87.6

1 Drawing Sheet

1

2

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

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.

The new cultivar is a product of a planned breeding program conducted by the inventor in Gensingen, Germany. The objective of the breeding program was to develop new varieties that have a uniform plant habit, attractive flower colors, good flower form and numerous flowers per plant.

Classification:

Botanical.—*Impatiens hawkeri* 'Tagula'.

Commercial.—New Guinea Impatiens cv 'Tagula'.

Parentage:

Male parent.—Proprietary seedling selection Z661.

Female parent.—Proprietary seedling selection Z871.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—About 15 days with 21C soil temperature.

Plant description:

Plant form.—Rounded and mounded, compact.

Growth habit.—Moderate vigor. Suitable for 10 to 25-cm containers.

Plant size.—Height: About 17 cm. Width or spread: About 24 cm.

Lateral branches.—Quantity: Three to four. Size: Length: 10 to 11 cm. Diameter: 1 to 1.2 cm. Internode length: 3 to 3.5 cm. Color: 187A.

Foliage description.—Leaves simple, generally symmetrical, abundant, opposite or in whorls of three, horizontal to plant and flat in aspect. Size, largest leaves: Length: 10.5 to 11 cm. Width: About 5.5 cm. Shape: Ovate with acuminate apex, attenuate base and ciliate margin. Texture: Smooth, slightly glossy. Color: Young foliage, upper surface: Darker than 147A. Young foliage, lower surface: 187B. Fully expanded foliage, upper surface: Darker than 187A. Fully expanded foliage, lower surface: 187A. Venation, upper surface: 187B. Venation, lower surface: 187B. Petiole: Size: Length: 1.5 to 2 cm. Diameter: About 4 mm. Color: 187C.

Flower description:

Flower type and habit.—Large orange and light pink bi-colored flowers, Moderate and continuously flowering. Flowers arise from leaf axils. Usually four to six flowers per lateral branch. Flowers positioned at or slightly above the foliage and face outward. Flowers flat and rounded triangular to star-shaped. Flowers persistent.

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

The new cultivar originated from a cross made by the inventor of a proprietary seedling selection identified as Z661 as the male, or pollen parent, with the proprietary seedling selection identified as Z871 as the female, or seed parent. The cultivar 'Tagula' was discovered and selected by the inventor as a flowering plant within the progeny of the stated cross in a controlled environment in Gensingen, Germany. Asexual reproduction of the new cultivar by terminal cuttings taken at Gensingen, Germany, has shown that the unique features of this new Impatiens are stable and reproduced true to type in successive generations of asexual reproduction.

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

1. Large orange and light pink bi-colored flowers.
2. Rounded and mounded growth habit.
3. Dark purple, slightly glossy, non-variegated foliage.

The accompanying colored photographs illustrate 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.

The first photograph comprises a top perspective view of a typical plant of 'Tagula'.

The second photograph comprises a close-up view of a typical flower and upper (left) and lower (right) surfaces of leaves of the cultivar 'Tagula'.

Flower and foliage colors in the photographs may differ from the actual colors due to light reflectance.

The cultivar 'Tagula' 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, measurements and comparisons describe plants grown 10-cm in Encinitas, Calif., under commercial practice in a fiberglass-covered greenhouse with day temperatures ranging from 23 to 29C and night temperatures ranging from 16 to 18C and light levels averaging 3,000 footcandles.

Plant 10,302

3

Flower size.—Length: About 7 cm. Width: About 6.5 cm. Depth: About 5 mm.

Flower buds.—Size: Length: About 2.4 cm. Diameter: About 1.2 cm. Shape: Ovoid. Color: 40A.

Petals.—Quantity: Five. Size (largest petals): Length: Top petal: About 3 cm. Middle petals: About 3.4 cm. Bottom petals: About 4 cm. Width: Top petal: About 5 cm. Middle petals: About 3.6 cm. Bottom petals: About 4.4 cm. Shape: Cordate with emarginate apex, cuneate or obtuse base and entire margin. Texture: Smooth, velvety. Color: When opening, upper surface: Iridescent, 54D background with wide orange, 40A, stripe on top petal, petal midribs and margins. When opening, lower surface: Iridescent, 40C. Fully opened, upper surface: Iridescent, 55C/55D background with wide orange, 40A, stripe on top petal, petal midribs, and margins. 66A at base Fully opened, lower surface: Iridescent, 40C. Fading to: Color does not fade.

4

Spur.—Length: 5.8 to 6 cm. Shape: Narrow and curved. Color: Proximal: 50B. Center: 37B. Distal tip: 144B.

Peduncles.—Length: About 4.5 cm. Angle: Mostly outward. Strength: Strong. Color: 59D.

Reproductive organs.—Androecium: Stamen number: Five, anthers fused, filaments free. Anther shape: Obovate. Anther size: 6 by 4 mm. Anther color: Cream. Amount of pollen: Moderate. Pollen color: Cream. Gynoecium: Five-loculate fused. Gynoecium length: About 6 mm. Gynoecium color: 187A.

Disease resistance: Under commercial conditions, resistance nor susceptibility to pathogens has not been observed.

Seed development: Seed production is not usually observed.

It is claimed:

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

* * * * *

U.S. Patent

Mar. 24, 1998

Plant 10,302

