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Strope

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(54) **NEW GUINEA IMPATIENS PLANT NAMED ‘BALCELREIM’**
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(57) **ABSTRACT**
A new and distinct cultivar of New Guinea Impatiens plant named ‘Balcelreim’, characterized by its upright, rounded and uniform plant habit; dark red-colored flowers that are positioned above and beyond the leaves; and dark green-colored leaves.

1 Drawing Sheet

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**BOTANICAL CLASSIFICATION/CULTIVAR
DENOMINATION**

Impatiens hawkeri cultivar Balceleim.

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 ‘Balcelreim’.

The new Impatiens is a product of a planned breeding program conducted by the Inventor in Arroyo Grande, Calif. The objective of the breeding program is to develop New Guinea Impatiens cultivars that have a freely branching growth habit and large flowers with attractive flower colors.

The new Impatiens originated from a cross-pollination made by the Inventor in 1998 of the *Impatiens hawkeri* cultivar Celebration Cherry Star, disclosed in U.S. Plant Pat. No. 8,407, as the female, or seed parent, with a proprietary selection of *Impatiens hawkeri* identified as code number BFP-1145, not patented, as the male, or pollen parent. The cultivar Balcelreim was discovered and selected by the Inventor as a flowering plant within the progeny of the stated cross-pollination in a controlled environment in Arroyo Grande, Calif.

Asexual reproduction of the new cultivar by terminal cuttings taken in Arroyo Grande, Calif. since March, 1998, 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 ‘Balcelreim’. These characteristics in combination distinguish ‘Balcelreim’ as a new and distinct Impatiens cultivar:

1. Upright, rounded and uniform plant habit.
2. Dark red-colored flowers that are positioned above and beyond the leaves.
3. Dark green-colored leaves.

Plants of the new Impatiens differ primarily from plants of the female and male parents in flower color.

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Plants of the new Impatiens can be compared to plants of the cultivar BFP-467 Cherry Red, disclosed in U.S. Plant Pat. No. 9,520. In side-by-side comparisons conducted in West Chicago, Ill., plants of the new Impatiens differed from plants of the cultivar BFP-467 Cherry Red in the following characteristics:

1. Plants of the new Impatiens were more compact than plants of the cultivar BFP-467 Cherry Red.
2. Plants of the new Impatiens had darker green-colored leaves plants of the cultivar BFP-467 Cherry Red.
3. Plants of the new Impatiens were not as freely flowering as plants of the cultivar BFP-467 Cherry Red.
4. Flower color of plants of the new Impatiens was more red than flower color of plants of the cultivar BFP-467 Cherry Red.

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 differ from the color values cited in the detailed botanical description which accurately describe the colors of the new Impatiens. The photograph comprises a side perspective view of multiple flowering plants of ‘Balcelreim’ grown in a container.

DETAILED BOTANICAL DESCRIPTION

The cultivar Balcelreim 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 aforementioned photograph and following observations and measurements describe plants grown in West Chicago, Ill., under commercial practice in a polycarbonate-covered greenhouse with day temperatures ranging from 20 to 24° C., night temperatures ranging from 16 to 20° C. and light levels ranging from 4,000 to 6,000 footcandles. Rooted young plants were planted in containers and had been growing for about eight weeks when the photographs and the description were taken.

In the following description, color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Impatiens hawkeri* cultivar Balcelreim.

Parentage:

Female parent.—*Impatiens hawkeri* cultivar Celebration Cherry Star, disclosed in U.S. Plant Pat. No. 8,407.

Male parent.—Proprietary selection of *Impatiens hawkeri* identified as code number BFP-1145, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—About 7 days at 18° C.

Time to produce a rooted cutting.—About 21 days at 18° C.

Root description.—Fine, fibrous and white in color.

Rooting habit.—Freely branching.

Plant description:

General appearance.—Upright, rounded and uniform plant habit; freely basal branching growth habit, about three basal branches form per plant. Vigorous.

Plant height.—About 10 cm.

Plant diameter or spread.—About 20.1 cm.

Lateral branches.—Length: About 6.3 cm. Diameter: About 9 mm. Internode length: About 3.3 cm. Color: 145A overlain with 178A.

Foliage description.—Arrangement: Opposite or in whorls of three. Length: About 10.1 cm. Width: About 4.1 cm. Shape: Narrowly elliptic. Apex: Acuminate. Base: Attenuate. Margin: Serrulate with ciliation. Texture, upper and lower surfaces: Smooth, glabrous. Venation pattern: Pinnate. Color: Young and fully expanded foliage, upper surface: Slightly more yellow than 139A. Young and fully expanded foliage, lower surface: Slightly lighter than 147B. Venation, upper surface: Midvein, 185C; lateral veins, 144A. Venation, lower surface: 185B. Petiole: Length: About 1.4 cm. Diameter: About 3 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper surface: 185C. Color, lower surface: 185B.

Flower description:

Flower type and flowering habit.—Single rounded flowers. Usually about eight flowers and flower buds per lateral branch. Flowers positioned above and beyond the foliage and typically face upward or

outward. Flowers not fragrant. Petals self-cleaning; gynoecium persistent.

Flower longevity.—Flowers last about one week on the plant.

Flowering season.—Year-round under greenhouse conditions; in the garden, flowering from spring until fall. Plants begin flowering about eight weeks after planting.

Flower buds.—Length: About 1.5 cm. Diameter: About 1 cm. Shape: Ovoid. Color: 53C.

Flower diameter.—About 6.4 cm.

Flower depth.—About 2.3 cm.

Flower shape.—Rounded; mostly flat.

Petals.—Quantity: Five per flower, imbricate. Length, banner petal: About 2.2 cm. Length, lateral and basal petals: About 2.7 cm. Width, banner petals: About 3.6 cm. Width, lateral and basal petals: About 2.7 cm. Shape: Obovate. Apex: Emarginate. Base, banner petal: Truncate. Base, lateral and basal petals: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth; satiny. Color: When opening and fully opened, upper surface: 53B; towards base, 46C; at base, 64B; main color becoming closer to 53A with subsequent development. When opening and fully opened, lower surface: 46B.

Spur.—Quantity: One per flower. Length: About 5 cm. Diameter, at apex: Less than 1 mm. Diameter, at flower: About 2.5 mm. Aspect: Curved downward. Color: 187B.

Peduncles.—Length: About 3.4 cm. Diameter: About 1 mm. Strength: Strong; flexible. Angle: Acute. Color: 185A.

Reproductive organs.—Androecium: Stamen quantity/arrangement: Five fused at anthers, hooded; filaments free. Anther length: About 2 mm. Anther shape: Oval. Anther color: 12B. Pollen amount: Moderate. Pollen color: 18D. Gynoecium: Pistil quantity: One per flower. Pistil length: About 9 mm. Stigma color: Colorless. Style length: Less than 1 mm. Style color: 150D. Ovary arrangement: Five-celled. Ovary color: 146A; towards base, 187A.

Seeds/fruits.—Seed and fruit development has not been observed.

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

It is claimed:

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

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