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**Strope**

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

(50) Latin Name: *Impatiens hawkeri*  
Varietal Denomination: **Balceltrop**

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patent is extended or adjusted under 35  
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(51) **Int. Cl.**<sup>7</sup> ..... **A01H 5/00**

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

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

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(57) **ABSTRACT**

A new and distinct cultivar of New Guinea Impatiens plant  
named 'Balceltrop', characterized by its upright, uniform  
and mounded plant habit; large orange-colored flowers that  
are positioned above and beyond the leaves; and dark  
green-colored leaves.

**2 Drawing Sheets**

**1**

Botanical classification/cultivar denomination: *Impatiens hawkeri* cultivar Balceltrop.

**BACKGROUND OF THE INVENTION**

The present Invention relates to a new and distinct culti-  
var of New Guinea Impatiens plant, botanically known as  
*Impatiens hawkeri*, and hereinafter referred to by the name  
'Balceltrop'.

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 basal branch-  
ing growth habit and numerous large flowers with attractive  
flower colors.

The new Impatiens originated from a cross-pollination  
made by the Inventor in 2000 of a proprietary selection  
*Impatiens hawkeri* identified as code number 2516, not  
patented, as the female, or seed parent, with the *Impatiens hawkeri*  
cultivar BFP-650, disclosed in U.S. Plant Pat. No. 10,108,  
as the male, or pollen parent. The cultivar Balceltrop  
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, 2000  
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 'Balcel-  
trop'. These characteristics in combination distinguish 'Bal-  
celtrop' as a new and distinct New Guinea Impatiens culti-  
var:

1. Upright, uniform and mounded plant habit.
2. Large orange-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 and leaf coloration.

**2**

Plants of the new Impatiens can be compared to plants of  
the cultivar Balcelisow, disclosed in U.S. Plant Pat. No.  
12,087. In side-by-side comparisons conducted in West  
Chicago, Ill., plants of the new Impatiens differed from  
plants of the cultivar Balcelisow in the following character-  
istics:

1. Plants of the new Impatiens were more vigorous than  
plants of the cultivar Balcelisow.
2. Plants of the new Impatiens had longer lateral branches  
and longer internodes than plants of the cultivar Bal-  
celisow.
3. Plants of the new Impatiens had longer leaves than  
plants of the cultivar Balcelisow.
4. Plants of the new Impatiens had larger flowers than  
plants of the cultivar Balcelisow.
5. Plants of the new Impatiens were more freely flowering  
than plants of the cultivar Balcelisow.

**BRIEF DESCRIPTION OF THE PHOTOGRAPHS**

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 repro-  
ductions of this type. Colors in the photographs may differ  
from the color values cited in the detailed botanical descrip-  
tion which accurately describe the colors of the new Impa-  
tiens.

The photograph on the first sheet comprises a side per-  
spective view of a typical flowering plant of 'Balceltrop'  
grown in a container.

The photograph on the second sheet is a close-up view of  
typical flowers of 'Balceltrop'.

**DETAILED BOTANICAL DESCRIPTION**

The cultivar Balceltrop has not been observed under all  
possible environmental conditions. The phenotype may vary  
somewhat with variations in environment such as tempera-  
ture and light intensity without, however, any variance in  
genotype.

The aforementioned photographs and following observa-  
tions 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 14 to 18° C. and light levels ranging from 4,000 to 7,000 footcandles. Rooted young plants were planted in 10-cm containers and had been growing for about ten weeks when the photographs and the description were taken.

In the following description, color references are made to The Royal Horticultural Society Colour Chart, 2001 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Impatiens hawkeri* cultivar Balceltrop.

Parentage:

*Female parent.*—Proprietary selection of *Impatiens hawkeri* identified as code number 2516, not patented.

*Male parent.*—*Impatiens hawkeri* cultivar BFP-650, disclosed in U.S. Plant Pat. No. 10,108.

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, uniform and mounded plant habit; freely basal branching growth habit, about four basal branches develop per plant. Moderately vigorous.

*Plant height.*—About 18.4 cm.

*Plant diameter or spread.*—About 22 cm.

*Lateral branches.*—Length: About 9.4 cm. Diameter: About 8 mm. Internode length: About 3.2 cm. Color: 146C slightly overlain with 176A at the nodes.

*Foliage description.*—Arrangement: Opposite or in whorls of three. Length: About 9.3 cm. Width: About 2.9 cm. Shape: Narrowly elliptic. Apex: Acute. Base: Attenuate. Margin: Serrulate with ciliation. Texture, upper and lower surfaces: Rugose; glabrous. Venation pattern: Pinnate. Color: Young foliage, upper surface: More yellow than 147A. Young foliage, lower surface: 146B. Fully expanded foliage, upper surface: 147A. Fully expanded foliage, lower surface: 146A. Venation, upper surface: 144D. Venation, lower surface: 182A. Petiole: Length: About 1 cm. Diameter: About 2.7 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 182A.

Flower description:

*Flower type and flowering habit.*—Single large flowers. Freely flowering, usually about five 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, flowering continuous.

*Flower buds.*—Length: About 2.4 cm. Diameter: About 1.4 cm. Shape: Ovoid. Color: 41B.

*Flower diameter.*—About 7.6 cm.

*Flower depth.*—About 2.1 cm.

*Flower shape.*—Rounded.

*Petals.*—Quantity: Five per flower, imbricate. Length, banner petal: About 2.7 cm. Length, lateral petals: About 3.1 cm. Length, basal petals: About 3.7 cm. Width, banner petals: About 4.2 cm. Width, lateral petals: About 3.3 cm. Width, basal petals: About 3.6 cm. Shape: Obovate. Apex: Emarginate. Base, banner petal: Truncate. Base, lateral and basal petals: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper and lower surfaces: 41A. Fully opened, upper surface: 43C; towards the base, 53C; color becoming closer to 43C with development. Fully opened, lower surface: 44D. Spur: Quantity: One per flower. Length: About 5.7 cm. Aspect: Sharply curved. Color: 53D.

*Peduncles.*—Length: About 5.6 cm. Diameter: About 1 mm. Strength: Strong; flexible. Angle: Acute. Color: 147C overlain with 53C.

*Reproductive organs.*—Androecium: Stamen quantity/arrangement: Five fused at anthers, hooded; filaments free. Anther length: About 2 mm. Anther shape: Obovate. Anther color: 39D. Pollen amount: Abundant. Pollen color: 8D. Gynoecium: Pistil quantity: One per flower. Pistil length: About 5 mm. Stigma length: Less than 1 mm. Stigma color: Colorless. Style length: Less than 1 mm. Style color: 149D. Ovary arrangement: Five-celled. Ovary length: About 4 mm. Ovary texture: Smooth. Ovary color: N144C.

*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 New Guinea *Impatiens*.

It is claimed:

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

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