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**Strope**

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

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**(US)**

(\* ) **Notice:** Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

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(57) **ABSTRACT**

A new and distinct cultivar of New Guinea Impatiens plant  
named 'Balcelsuna', characterized by its upright, rounded  
and uniform plant habit; red-colored flowers that are posi-  
tioned above and beyond the leaves; and dark green-colored  
leaves.

**1 Drawing Sheet**

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**BOTANICAL CLASSIFICATION/CULTIVAR**  
**DENOMINATION**

*Impatiens hawkeri* cultivar Balcelsuna.

**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  
'Balcelsuna'.

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 a proprietary selection of  
*Impatiens hawkeri* identified as code number 2079B, not  
patented, as the female, or seed parent, with the *Impatiens*  
*hawkeri* cultivar Grenada, disclosed in U.S. Plant Pat. No.  
9,343, as the male, or pollen parent. The cultivar Balcelsuna  
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 August, 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 'Balcel-  
suna'. These characteristics in combination distinguish 'Bal-  
celsuna' as a new and distinct Impatiens cultivar:

1. Upright, rounded and uniform plant habit.
2. 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.

Plants of the new Impatiens can be compared to plants of  
the cultivar BFP-796, disclosed in U.S. Plant Pat. No.

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11,486. In side-by-side comparisons conducted in West  
Chicago, Ill., plants of the new Impatiens differed from  
plants of the cultivar BFP-796 in the following characteris-  
tics:

- 5 1. Plants of the new Impatiens were more compact than  
plants of the cultivar BFP-796.
2. Plants of the new Impatiens had shorter lateral branches  
and shorter internodes than plants of the cultivar BFP-796.
- 10 3. Plants of the new Impatiens had slightly larger flowers  
than plants of the cultivar BFP-796.

**BRIEF DESCRIPTION OF THE PHOTOGRAPH**

15 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 repro-  
ductions 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 mul-  
tiple flowering plants of 'Balcelsuna' grown in a container.

**DETAILED BOTANICAL DESCRIPTION**

25 The cultivar Balcelsuna 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.

35 The aforementioned photograph 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 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  
40 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 signifi-  
cance are used.



Botanical classification: *Impatiens hawkeri* cultivar Balcellsuna.

Parentage:

*Female parent.*—Proprietary selection of *Impatiens hawkeri* identified as code number 2079B, not patented.

*Male parent.*—*Impatiens hawkeri* cultivar Grenada, disclosed in U.S. Plant Pat. No. 9,343.

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 four basal branches form per plant. Vigorous.

*Plant height.*—About 13 cm.

*Plant diameter or spread.*—About 24.1 cm.

*Lateral branches.*—Length: About 5.6 cm. Diameter: About 6 mm. Internode length: About 1.4 cm. Color: 183A.

*Foliage description.*—Arrangement: Opposite or in whorls of three. Length: About 11.9 cm. Width: About 4.3 cm. Shape: Narrowly elliptic. Apex: Acuminate. Base: Attenuate. Margin: Serrulate with ciliation. Texture, upper and lower surfaces: Smooth, glabrous. Venation pattern: Pinnate. Color: Young foliage, upper surface: Slightly more yellow than 139A. Young foliage, lower surface: 147B. Fully expanded foliage, upper surface: 139A. Fully expanded foliage, lower surface: 145C. Venation, upper surface: Midvein, 185A; lateral veins, 145C. Venation, lower surface: 147B. Petiole: Length: About 1.5 cm. Diameter: About 3 mm. Texture, upper and lower surfaces: Glabrous, rugose. Color, upper surface: 185C. Color, lower surface: 185A.

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 1.6 cm. Diameter: About 7 mm. Shape: Ovoid. Color: 51B.

*Flower diameter.*—About 7.7 cm.

*Flower depth.*—About 2.1 cm.

*Flower shape.*—Rounded; mostly flat.

*Petals.*—Quantity: Five per flower, imbricate. Length, banner petal: About 3.2 cm. Length, lateral and basal petals: About 4 cm. Width, banner petals: About 4.6 cm. Width, lateral and basal petals: About 3.8 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: Towards margin, 43C; towards base, between 51A and 53D; becoming closer to 47B with subsequent development. When opening and fully opened, lower surface: 52C.

*Spur.*—Quantity: One per flower. Length: About 5.8 cm. Diameter, at apex: Less than 1 mm. Diameter, at flower: About 2.5 mm. Aspect: Curved downward. Color: 53C.

*Peduncles.*—Length: About 5.6 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 3 mm. Anther shape: Oval. Anther color: 53A. Pollen amount: Moderate. Pollen color: 10D. Gynoecium: Pistil quantity: One per flower. Pistil length: About 7 mm. Stigma color: Colorless. Style length: Less than 1 mm. Style color: 150D. Ovary arrangement: Five-celled. Ovary color: 144B.

*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 'Balcellsuna', as illustrated and described.

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