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Strope

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

(50) Latin Name: *Impatiens hawkeri*
Varietal Denomination: **Celebration Cherry Star**

(75) Inventor: **Kerry M. Strope**, Jefferson City, MO
(US)

(73) Assignee: **Ball Horticultural Company**, West
Chicago, IL (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.

(21) Appl. No.: **10/359,746**

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(51) **Int. Cl.**⁷ **A01H 5/00**

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

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

Primary Examiner—Bruce R. Campell

Assistant Examiner—June Hwu

(74) *Attorney, Agent, or Firm*—C. A. Whealy

(57) **ABSTRACT**

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

2 Drawing Sheets

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Botanical classification/cultivar denomination: *Impatiens hawkeri* cultivar Celebration Cherry Star.

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
'Balceborst'.

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 are compact, have a freely
basal branching 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 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
2511, not patented, as the male, or pollen parent. The
cultivar Balceborst 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 'Balce-
borst'. These characteristics in combination distinguish
'Balceborst' as a new and distinct New Guinea Impatiens
cultivar:

1. Upright, uniform and mounded plant habit.
2. Large light and dark purple bi-colored flowers that are
positioned above and beyond the leaves.
3. Very dark purple-colored leaves.

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

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Plants of the new Impatiens can be compared to plants of
the cultivar Kimpgua, disclosed in U.S. Plant Pat No.
10,429. In side-by-side comparisons conducted in West
Chicago, Ill., plants of the new Impatiens differed from
plants of the cultivar Kimpgua in the following character-
istics:

1. Plants of the new Impatiens were more vigorous than
plants of the cultivar Kimpgua.
2. Plants of the new Impatiens had longer and thicker
lateral branches than plants of the cultivar Kimpgua.
3. Plants of the new Impatiens had longer internodes than
plants of the cultivar Kimpgua.
4. Plants of the new Impatiens were more freely flowering
than plants of the cultivar Kimpgua.

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 'Balceborst'
grown in a container.

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

DETAILED BOTANICAL DESCRIPTION

The cultivar Balceborst 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 Balceborst.

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 2511, 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, uniform and mounded plant habit; freely basal branching growth habit, about four basal branches develop per plant. Moderately vigorous.

Plant height.—About 16 cm.

Plant diameter or spread.—About 27.8 cm.

Lateral branches.—Length: About 7.8 cm. Diameter: About 7 mm. Internode length: About 2.6 cm. Color: 187B.

Foliage description.—Arrangement: Opposite or in whorls of three. Length: About 8 cm. Width: About 3 cm. Shape: Ovate. Apex: Acuminate. Base: Attenuate. Margin: Serrulate with ciliation. Texture, upper surface: Smooth, glabrous. Texture, lower surface: Pubescence along veins. Venation pattern: Pinnate. Color: Young and fully expanded foliage, upper surface: N186A. Young and fully expanded foliage, lower surface: 187A. Venation, upper surface: 187B. Venation, lower surface: 187A. Petiole: Length: About 1.1 cm. Diameter: About 3 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper surface: 187B. Color, lower surface: 187A.

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 1.9 cm. Diameter: About 1.1 cm. Shape: Ovoid. Color: N57A.

Flower diameter.—About 6.5 cm.

Flower depth.—About 2.1 cm.

Flower shape.—Rounded; mostly flat.

Petals.—Quantity: Five per flower, imbricate. Length, banner petal: About 2.8 cm. Length, lateral petals: About 2.9 cm. Length, basal petals: About 3.8 cm. Width, banner petals: About 4.2 cm. Width, lateral petals: About 2.7 cm. Width, basal petals: About 3.4 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 and fully opened, upper surface: Ground color, slightly lighter than N78C; central blotch on banner, central stripe on lateral and basal petals and towards the base, darker than N66A; venation, 67A. When opening and fully opened, lower surface: Ground color, N57C; central stripe and towards the base, N57A; midvein, 185A.

Spur.—Quantity: One per flower. Length: About 3.9 cm. Aspect: Curved. Color: Towards the flower, 184B; towards the apex, 145A; longitudinal streaks, 184B.

Peduncles.—Length: About 4.6 cm. Diameter: About 1 mm. Strength: Strong; flexible. Angle: Acute. Color: 145B.

Reproductive organs.—Androecium: Stamen quantity/arrangement: Five fused at anthers, hooded; filaments free. Anther length: About 2 mm. Anther shape: Obovate. Anther color: 12C. Pollen amount: Sparse. Pollen color: 11D. Gynoecium: Pistil quantity: One per flower. Pistil length: About 6 mm. Stigma length: About 1 mm. Stigma color: 71B. Style length: About 1 mm. Style color: 71A. Ovary arrangement: Five-celled. Ovary length: About 4 mm. Ovary texture: Smooth. Ovary color: 187B.

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 'Balceborst', as illustrated and described.

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