



(12) **United States Plant Patent**
Dümmen

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

(51) **Int. Cl.**
A01H 5/00 (2006.01)

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

(52) **U.S. Cl.** **Plt./318.7**
(58) **Field of Classification Search** **Plt./318.7**
See application file for complete search history.

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

(57) **ABSTRACT**

A new and distinct cultivar of *Impatiens* plant named
'Dueribrired', characterized by its upright and outwardly
spreading growth habit; mounded plant habit; freely branch-
ing habit; vigorous growth habit; dark green-colored leaves;
freely flowering habit; large bright red-colored flowers; and
good garden performance.

(21) Appl. No.: **11/804,345**

(22) Filed: **May 17, 2007**

1 Drawing Sheet

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Botanical designation: *Impatiens hawkeri*.
Cultivar denomination: 'Dueribrired'.

BACKGROUND OF THE INVENTION

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

The new *Impatiens* is a product of a planned breeding
program conducted by the Inventor in Rheinberg, Germany.
The objective of the breeding program is to create new vig-
orous New Guinea *Impatiens* cultivars with large and attrac-
tive flowers.

The new *Impatiens* originated from a cross-pollination
made by the Inventor in August, 2002 in Rheinberg, Ger-
many of a proprietary selection of *Impatiens hawkeri* identi-
fied as code number F-19-18, not patented, as the female, or
seed, parent with a proprietary selection of *Impatiens hawke-*
ri identified as code number 00-0132-007, not patented, as
the male, or pollen, parent. The new *Impatiens* was discov-
ered and selected by the Inventor as a single flowering plant
within the progeny of the stated cross-pollination in a con-
trolled environment in Rheinberg, Germany in May, 2004.

Asexual reproduction of the new *Impatiens* by terminal
cuttings in a controlled environment in Rheinberg, Germany
since July, 2004, has shown that the unique features of this
new *Impatiens* are stable and reproduced true to type in suc-
cessive generations.

SUMMARY OF THE INVENTION

The cultivar Dueribrired has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment and cultural prac-
tices such as temperature and light intensity without, how-
ever, any variance in genotype.

The following traits have been repeatedly observed and
are determined to be the unique characteristics of 'Dueribr-

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ired'. These characteristics in combination distinguish
'Dueribrired' as a new and distinct cultivar of *Impatiens*:

1. Upright and outwardly spreading growth habit;
mounded plant habit.
2. Freely branching habit.
3. Vigorous growth habit.
4. Dark green-colored leaves.
5. Freely flowering habit.
6. Large bright red-colored flowers.
7. Good garden performance.

Plants of the new *Impatiens* can be compared to plants of
the female parent selection. Plants of the new *Impatiens* dif-
fer from plants of the female parent selection in the follow-
ing characteristics:

1. Plants of the new *Impatiens* are more vigorous than
plants of the female parent selection.
2. Plants of the new *Impatiens* have smaller flowers than
plants of the female parent selection.

Plants of the new *Impatiens* can be compared to plants of
the male parent selection. Plants of the new *Impatiens* differ
primarily from plants of the male parent selection in growth
habit as plants of the male parent selection are more compact
than plants of the new *Impatiens*.

Plants of the new *Impatiens* can be compared to plants of
the *Impatiens* cultivar Fisupnic Tallred, disclosed in U.S.
Plant Pat. No. 16,809. In side-by-side comparisons con-
ducted in Rheinberg, Germany, plants of the new *Impatiens*
differed from plants of the cultivar Fisupnic Tallred in the
following characteristics:

1. Plants of the new *Impatiens* had shorter internodes than
plants of the cultivar Fisupnic Tallred.
2. Plants of the new *Impatiens* had smaller leaves with
shorter petioles than plants of the cultivar Fisupnic Tall-
red.
3. Plants of the new *Impatiens* had smaller flowers and
shorter peduncles than plants of the cultivar Fisupnic
Tallred.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the overall appearance of the new *Impatiens*, showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photograph may differ slightly 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 a typical flowering plant of 'Dueribrired' grown in a container.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations, measurements and values describe plants grown in Rheinberg, Germany, in containers and under commercial practice during the spring in a glass-covered greenhouse with day and night temperatures averaging 18° C. and light levels averaging 4,500 lux. Plants had been growing for about 16 weeks when the photograph and 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 Dueribrired.

Parentage:

Female, or seed, parent.—Proprietary selection of *Impatiens hawkeri* identified as code number F-19-18, not patented.

Male, or pollen, parent.—Proprietary selection of *Impatiens hawkeri* identified as code number 00-0132-007, not patented.

Propagation:

Type.—By terminal cuttings.

Time to initiate roots, summer.—About seven days at temperatures of 22° C.

Time to initiate roots, winter.—About ten days at temperatures of 22° C.

Time to produce a rooted young plant, summer.—About 18 days at temperatures of 22° C.

Time to produce a rooted young plant, winter.—About 25 days at temperatures of 22° C.

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

Rooting habit.—Freely branching; dense.

Plant description:

Plant and growth habit.—Upright to outwardly spreading growth habit; mounded plant habit. Freely branching habit with about seven lateral branches; pinching is typically not required. Moderately vigorous growth habit.

Plant height.—About 19 cm to 20 cm.

Plant diameter.—About 13 cm.

Lateral branch description:

Length.—About 15 cm.

Diameter.—About 5 mm.

Internode length.—About 4.4 cm.

Strength.—Strong.

Aspect.—Initially upright to outwardly spreading.

Texture.—Smooth, glabrous.

Color.—146A.

Foliage description:

Arrangement.—Opposite or in whorls; simple.

Length.—About 8.9 cm.

Width.—About 3 cm.

Shape.—Ovate.

Apex.—Apiculate.

Base.—Obtuse.

Margin.—Serrulate with ciliation.

Texture, upper and lower surfaces.—Smooth, glabrous; leathery.

Venation pattern.—Pinnate; arcuate.

Color.—Developing foliage, upper surface: 147A.

Developing foliage, lower surface: 147B. Fully expanded foliage, upper surface: 147A; venation, 144A. Fully expanded foliage, lower surface: 147B to 147C; venation, 144A to 144B.

Petiole length.—About 8 mm.

Petiole diameter.—About 3 mm.

Petiole texture, upper and lower surfaces.—Smooth, glabrous.

Petiole color, upper and lower surfaces.—144B to 144C.

Flower description:

Flower type and flowering habit.—Single rounded axillary flowers. Freely flowering habit; usually about six to eight open flowers and flower buds per lateral branch. Flowers positioned above the foliage and typically face upright or outward. Flowers last about one week under greenhouse conditions. Petals self-cleaning, gynoecium persistent. Flowers not fragrant.

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

Flower size.—Length: About 6.4 cm. Diameter: About 5.5 cm. Depth: About 1.5 cm.

Flower buds.—Length: About 1.2 cm. Diameter: About 8 mm. Shape: Ovate. Color: 144B tinted with 45A.

Petals.—Quantity/arrangement: Five per flower in a single whorl. Length: About 3.2 cm. Width: About 3.7 cm. Shape: Obcordate. Apex: Emarginate; rounded. Base: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous; satiny. Color: When opening and fully opened, upper surface: Between 44A and 45B; color becoming closer to 44A with development. When opening and fully opened, lower surface: 44B.

Sepals.—Quantity/arrangement: Three; one modified into an elongated spur. Length: About 1 cm. Width: About 5 mm. Shape: Oval. Apex: Acute. Base: Obtuse. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: Close to 147A. Spur length: About 5.1 cm. Spur diameter: At flower, about 3 mm; at apex, less than 1 mm. Spur texture: Smooth, glabrous. Spur color: 53A to 53B.

Peduncles.—Length: About 4.2 cm. Diameter: About 2 mm. Angle: Upright to outward. Strength: Strong; flexible. Texture: Smooth, glabrous. Color: 144B to 144C.

Reproductive organs.—Stamens: Quantity: Five fused at anthers; filaments free. Anther length: About 5 mm. Anther shape: Oval. Anther color: 155B tinted with 43A. Pollen amount: Abundant. Pollen color: 11D. Pistils: Quantity per flower: One. Pistil length: About 5.5 mm. Stigma shape: Crested. Stigma color: 145D. Style color: 150B. Ovary color: 146A.

Seed/fruit.—Seed and fruit production have 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*.
Garden performance: Plants of the new *Impatiens* have been observed to have good garden performance and tolerate temperatures ranging from about 8° C. to about 35° C.

It is claimed:
1. A new and distinct *Impatiens* plant named ‘Dueribrired’ as illustrated and described.

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