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Hofmann

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(54) **NEW GUINEA *IMPATIENS* PLANT NAMED
'FISIMP RED'**

(50) Latin Name: *Impatiens hawkeri*
Varietal Denomination: **Fisimp Red**

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patent is extended or adjusted under 35
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See application file for complete search history.

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(57) **ABSTRACT**

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

1 Drawing Sheet

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Botanical designation: *Impatiens hawkeri*.
Cultivar denomination: 'FISIMP RED'.

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 'Fisimp
Red'.

The new *Impatiens* is a product of a planned breeding
program conducted by the Inventor in Hillscheid, Germany.
The objective of the breeding program is to create new
freely-branching and moderately vigorous New Guinea
Impatiens cultivars with large and attractive flowers.

The new *Impatiens* originated from a cross-pollination
made by the Inventor during the summer of 2002 in
Hillscheid, Germany of a proprietary selection of *Impatiens*
hawkeri identified as code number K03-1384-1, not
patented, as the female, or seed, parent with a proprietary
selection of *Impatiens hawkeri* identified as code number
K02-0169-3, not patented, as the male, or pollen, parent. The
new *Impatiens* was discovered and selected by the Inventor
as a single flowering plant within the progeny of the stated
cross-pollination in a controlled environment in
Moncarapacho, Portugal in March, 2003.

Asexual reproduction of the new *Impatiens* by terminal
cuttings in a controlled environment in Moncarapacho, Por-
tugal since June, 2003, 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 cultivar Fisimp Red 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,
however, any variance in genotype.

The following traits have been repeatedly observed and
are determined to be the unique characteristics of 'Fisimp
Red'. These characteristics in combination distinguish
'Fisimp Red' as a new and distinct cultivar of *Impatiens*:

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1. Upright and outwardly spreading growth habit;
mounded plant habit.
2. Freely branching habit.
3. Moderately vigorous growth habit.
4. Medium green-colored leaves.
5. Freely flowering habit.
6. Large intense 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 primarily from plants of the female parent selection in
flower color as plants of the female parent selection have
cherry red-colored flowers.

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 flower
color as plants of the male parent selection have less intense
red-colored flowers.

Plants of the new *Impatiens* can be compared to plants of
the *Impatiens* cultivar Fisco Red, disclosed in U.S. Plant
patent application Ser. No. 11/241,383, abandoned. In side-
by-side comparisons conducted in Hillscheid, Germany,
plants of the new *Impatiens* differed from plants of the culti-
var Fisco Red in the following characteristics:

1. Plants of the new *Impatiens* had larger flowers than
plants of the cultivar Fisco Red.
2. Plants of the new *Impatiens* and the cultivar Fisco Red
differed in flower color.

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 Hillscheid, Germany, plants of the new *Impatiens*
differed from plants of the cultivar Fisupnic Tallred in the
following characteristics:

1. Plants of the new *Impatiens* were shorter than plants of
the cultivar Fisupnic Tallred.
2. Plants of the new *Impatiens* were less vigorous than
plants of the cultivar Fisupnic Tallred.
3. Plants of the new *Impatiens* had larger flowers than
plants of the cultivar Fisupnic Tallred.

4. Plants of the new *Impatiens* and the cultivar Fisupnic Tallred differed in flower color.

Plants of the new *Impatiens* can be compared to plants of the *Impatiens* cultivar Fisnics Lired, disclosed in U.S. Plant Pat. No. 14,713. In side-by-side comparison conducted in HILLSCHIED, Germany, plants of the new *Impatiens* differed from plants of the cultivar Fisnics Lired in the following characteristics:

1. Plants of the new *Impatiens* had darker green-colored leaves than plants of the cultivar Fisnics Lired.
2. Plants of the new *Impatiens* and the cultivar Fisnics Lired differed in flower color.

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 typical flowering plants of 'Fisimp Red' grown in a container.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations, measurements and values describe plants grown in HILLSCHIED, Germany, in containers and under commercial practice during the spring in a glass-covered greenhouse with day temperatures ranging from 16° C. to 22° C. and night temperatures averaging about 16° C. Rooted young plants had been growing for about ten to twelve 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 Fisimp Red.

Parentage:

Female, or seed, parent.—Proprietary selection of *Impatiens hawkeri* identified as code number K03-1384-1, not patented.

Male, or pollen, parent.—Proprietary selection of *Impatiens hawkeri* identified as code number K02-0169-3, not patented.

Propagation:

Type.—By terminal cuttings.

Time to initiate roots, summer.—About ten days at temperatures of 22° C. to 24° C.

Time to initiate roots, winter.—About 14 days at temperatures of 20° C. to 22° C.

Time to produce a rooted young plant, summer.—About 18 days at temperatures of 22° C. to 24° C.

Time to produce a rooted young plant, winter.—About 21 days at temperatures of 20° C. to 22° C.

Root description.—Fine, fibrous; dull to creamy white in color.

Rooting habit.—Freely branching; moderately dense.

Plant description:

Plant and growth habit.—Upright to outwardly spreading growth habit; mounded plant habit. Freely branching habit with about five to six lateral

branches; pinching is typically not required. Moderately vigorous growth habit.

Plant height.—About 11.2 cm.

Plant diameter.—About 23.6 cm.

Lateral branch description:

Length.—About 7 cm to 9 cm.

Diameter.—About 6 mm to 7 mm.

Internode length.—About 2.5 cm to 3.5 cm.

Strength.—Strong.

Aspect.—Initially upright to outwardly spreading.

Texture.—Smooth, glabrous.

Color.—Towards the apex, 145A; towards the base, 146D; at the nodes, 179A.

Foliage description:

Arrangement.—Typically in whorls; simple.

Length.—About 12.5 cm.

Width.—About 4.3 cm.

Shape.—Elliptical.

Apex.—Acuminate.

Base.—Attenuate.

Margin.—Serrate with ciliation.

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

Venation pattern.—Pinnate; arcuate.

Color.—Developing foliage, upper surface: 143A. Developing foliage, lower surface: 143C. Fully expanded foliage, upper surface: 137C to 137D; venation, close to 47C. Fully expanded foliage, lower surface: 138B; venation, 145C.

Petiole length.—About 1.5 cm.

Petiole diameter.—About 3 mm.

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

Petiole color, upper and lower surfaces.—145C to 145D; occasionally tinted with 48D.

Flower description:

Flower type and flowering habit.—Single rounded axillary flowers. Freely flowering habit; usually about five 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 9 to 9.5 weeks after planting.

Flower size.—Length: About 8.9 cm. Diameter: About 9 cm. Depth: About 1.5 cm.

Flower buds.—Length: About 2.4 cm. Diameter: About 1.6 cm. Shape: Ovoid. Color: 46C.

Petals.—Quantity/arrangement: Five per flower in a single whorl. Length, banner petal: About 3.5 cm. Length, lateral petals: About 3.5 cm to 3.8 cm. Length, lower petals: About 4 cm to 4.4 cm. Width, banner petal: About 6 cm to 6.5 cm. Width, lateral petals: About 4.8 cm. Width, lower petals: About 4.6 cm to 5.2 cm. Shape: Cordate. Apex: Emarginate; rounded. Base: Acute to attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color: When opening, upper surface: 45A to 45B. When opening, lower surface: 46C. Fully opened, upper surface: 46B. Fully opened, lower surface: 46C to 46D.

Sepals.—Quantity/arrangement: Three, one modified into an elongated spur. Length: About 1 cm. Width:

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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 147C. Spur length: About 5.8 cm. Spur diameter: At flower, about 3 mm; at apex, less than 1 mm. Spur texture: Smooth, glabrous. Spur color: 53D.

Peduncles.—Length: About 4.3 cm. Diameter: About 2 mm. Strength: Strong; flexible. Texture: Smooth, glabrous. Color: 145B.

Reproductive organs.—Stamens Quantity: Five fused at anthers; filaments free. Anther diameter: About 6 mm to 7 mm. Anther color: 4D tinted with 52D. Pollen amount: Moderate. Pollen color: 11D. Pistils: Quantity per flower: One. Pistil length: About 7 mm.

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Stigma shape: Star-shaped. Stigma color: 4D. Style color: 4D. Ovary color: 144A; color becoming closer to 141B with development.

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 5° C. to about 35° C.

It is claimed:

1. A new and distinct *Impatiens* plant named ‘Fisimp Red’ as illustrated and described.

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