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**Kientzler**

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

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

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patent is extended or adjusted under 35  
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(57) **ABSTRACT**

A new and distinct cultivar of New Guinea *Impatiens* plant  
named 'Visinflav', characterized by its rounded and upright  
plant form; vigorous and freely branching growth habit;  
bushy appearance; dark green-colored foliage; freely flow-  
ering habit with flowers held above and beyond the foliage;  
and large red purple-colored flowers.

**1 Drawing Sheet**

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Botanical classification/cultivar designation: *Impatiens hawkeri* cultivar Visinflav.

**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 cultivar  
name Visinflav.

The new *Impatiens* is a product of a planned breeding  
program conducted by the Inventor in Gensingen, Germany.  
The objective of the breeding program is to develop new  
vigorous New Guinea *Impatiens* cultivars with large flowers  
and interesting and unique flower and foliage colors.

The new *Impatiens* originated from a cross-pollination  
made by the Inventor in September, 2001, of a proprietary  
*Impatiens hawkeri* selection identified as code number  
01-699, not patented, as the female, or seed parent, with a  
proprietary *Impatiens hawkeri* selection identified as  
01-147, not patented, as the male, or pollen parent. The  
cultivar Visinflav was discovered and selected by the Inven-  
tor as a flowering plant within the progeny of the stated  
cross-pollination in a controlled environment in Gensingen,  
Germany in March, 2002.

Asexual reproduction of the new cultivar by terminal  
cuttings at Gensingen, Germany, since March, 2002, 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 'Visin-  
flav'. These characteristics in combination distinguish 'Vis-  
inflav' as a new and distinct *Impatiens* cultivar:

1. Rounded and upright plant form.
2. Vigorous and freely branching growth habit; bushy  
appearance.
3. Dark green-colored foliage.
4. Freely flowering habit with flowers held above and  
beyond the foliage.
5. Large red purple-colored flowers.

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Plants of the new *Impatiens* differ from plants of the  
female parent selection in the following characteristics:

1. Plants of the new *Impatiens* have larger flowers than  
plants of the female parent selection.
2. Plants of the new *Impatiens* are more freely flowering  
than plants of the female parent selection.

Plants of the new *Impatiens* differ from plants of the male  
parent selection in the following characteristics:

1. Plants of the new *Impatiens* are more vigorous than  
plants of the male parent selection.
2. Plants of the new *Impatiens* are more uniform than  
plants of the male parent selection.

Plants of the new *Impatiens* can be compared to plants of  
the cultivar Kipas, disclosed in U.S. Plant Pat. No. 10,432.  
In side-by-side comparisons conducted in Gensingen,  
Germany, plants of the new *Impatiens* differed from plants  
of the cultivar Kipas in the following characteristics:

1. Plants of the new *Impatiens* had darker green-colored  
foliage than plants of the cultivar Kipas.
2. Plants of the new *Impatiens* had larger flowers than  
plants of the cultivar Kipas.
3. Flower color of plants of the new *Impatiens* was more  
intense than flower color of plants of the cultivar Kipas.

**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  
slightly from the color values cited in the detailed botanical  
description which more accurately describe the actual colors  
of the new *Impatiens*.

The photograph at the top of the sheet comprises a side  
perspective view of a typical flowering plant of 'Visinflav'  
grown in a container.

The photograph at the bottom of the sheet comprises a  
close-up view of typical flowers and leaves of 'Visinflav'.

## DETAILED BOTANICAL DESCRIPTION

The cultivar Visinflav has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature and light intensity, without, however, any variance in genotype. The aforementioned photographs and the following observations and measurements describe plants grown in Bonsall, Calif., during the summer under commercial practice in a polypropylene-covered shadehouse providing 50% light reduction with day temperatures ranging from 21 to 35° C. and night temperatures ranging from 18 to 24° C. Plants used in the photographs and the following description were about ten weeks old and grown in 15.25-cm containers with one plant per container.

In the following description, color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Impatiens hawkeri* cultivar Visinflav.

Parentage:

*Female, or seed, parent.*—Proprietary *Impatiens hawkeri* selection identified as code number 01-699, not patented.

*Male, or pollen, parent.*—Proprietary *Impatiens hawkeri* selection identified as code number 01-147, not patented.

Propagation:

*Type cutting.*—Terminal cuttings.

*Time to initiate roots, summer.*—About 10 days at 18° C.

*Time to initiate roots, winter.*—about 14 days at 18° C.

*Time to produce a rooted cutting or liner, summer.*—About 14 days at 18° C.

*Time to produce a rooted cutting or liner, winter.*—About 18 days at 18° C.

*Root description.*—Fine and freely branching; white in color.

Plant description:

*General appearance.*—Rounded and upright; vigorous growth habit.

*Growth and branching habit.*—Freely branching with about nine lateral branches developing at the base, dense and bushy growth. Pinching, that is, removal of the terminal apices, is typically not required.

*Plant height.*—About 22 cm.

*Plant diameter.*—About 37 cm.

*Lateral branches.*—Length: About 16 cm. Diameter: About 1 cm. Internode length: About 3.6 cm. Texture: Smooth, glabrous. Color: 59A.

*Foliage description.*—Arrangement: Opposite or in whorls; simple. Length: About 9.5 cm. Width: About 3.5 cm. Shape: Elliptic. Apex: Acuminate. Base: Attenuate. Margin: Serrulate with ciliation. Texture, upper and lower surfaces: Smooth, glabrous. Color: Developing foliage, upper surface: 147A. Developing foliage, lower surface: 147B. Fully expanded foliage, upper surface: Darker than 147A. Fully

expanded foliage, lower surface: Darker than 147B. Venation, upper surface: 185B. Venation, lower surface: 185A. Petiole: Length: About 1.2 cm. Diameter: About 3 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 185A.

*Flower description:* Flower type and flowering habit: Single axillary flowers. Freely flowering, usually about four to six flowers and flower buds per lateral branch. Flowers positioned above and beyond the foliage and typically face upward or outward. Flowers mostly flat; roughly rounded in shape. Flowers last about seven days on the plant. Petals self-cleaning; gynoecium persistent. Flowers not fragrant.

*Flowering season.*—Year-round under greenhouse conditions. In the garden, flowering from spring until fall.

*Flower height.*—About 6.2 cm.

*Flower width.*—About 5.8 cm.

*Flower depth.*—About 3.5 cm.

*Flower buds (at stage of showing color).*—Length: About 2 cm. Diameter: About 1 cm. Shape: Ovoid. Color: 61C.

*Petals.*—Quantity: Single, five per flower. Length: Banner petal: About 2.9 cm. Lateral petals: About 3.2 cm. Base petals: About 3.7 cm. Width: Banner petal: About 4.4 cm. Lateral petals: About 3.7 cm. Base petals: About 4.4 cm. Shape: Cordate. Apex: Emarginate. Base: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth; velvety. Color: When opening, upper surface: 57A. When opening, lower surface: 57D. Fully opened, upper surface: Towards the margin, 61C; center, 77B to 77C; towards the base, 57A. Fully opened, lower surface: Towards the margin, 58C; center and towards the base, 72D.

*Spur.*—Length: About 4.5 cm. Diameter, at flower base: About 3 mm. Diameter, at apex: Less than 1 mm. Texture: Smooth, glabrous. Color: 185A to 185B.

*Peduncles.*—Length: About 4.6 cm. Diameter: About 2 mm. Strength: Strong. Angle: About 45° from vertical. Texture: Smooth, glabrous. Color: 59A.

*Reproductive organs.*—Androecium: Stamen number: Five fused at anthers, filaments free. Anther shape: Obovate. Anther size: About 4 mm by 6 mm. Anther color: 158A. Amount of pollen: Moderate. Pollen color: 158C. Gynoecium: Pistil length: About 5 mm. Stigma shape: Rounded. Stigma color: 157A. Style color: 144A. Ovary color: 144A.

*Seed/fruit.*—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*.

*Temperature tolerance:* Plants of the new *Impatiens* have been observed to tolerate temperatures from 5 to 35° C. It is claimed:

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

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