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

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(45) **Date of Patent: Dec. 11, 2007**

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

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

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(73) Assignee: **Syngenta Seeds B.V.**, Enkhuizen (NL)

(*) 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.: **11/437,936**

(22) Filed: **May 19, 2006**

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

(52) **U.S. Cl.** **Plt./318**
(58) **Field of Classification Search** Plt./318
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP13,695 P2 * 4/2003 Hofmann Plt./318

OTHER PUBLICATIONS

UPOV ROM GTITM Computer Database, GTI Jouve Retrieval Software 2006/04 Citation for 'Ingvine'.*

* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of New Guinea *Impatiens* plant named 'Ingvine' characterized by its large bright violet colored flowers with small, dark green foliage, early flowering, good heat tolerance, nice rounded shaped growth habit with excellent basal branching and good vigor.

1 Drawing Sheet

Latin name of the genus and species of the plant claimed: *Impatiens hawkeri.*
Varietal denomination: 'Ingvine'.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct New Guinea *Impatiens* plant botanically known as *Impatiens hawkeri* and referred to by the cultivar name 'Ingvine.'

The new cultivar was developed in a controlled breeding program conducted by the inventor in Enkhuizen, Netherlands. The new New Guinea *Impatiens* cultivar is very floriferous with large flowers, early flowering on a strong growing, basal branching plant with good heat tolerance.

The new cultivar is propagated from cuttings resulting from the cross in September 2001 of the proprietary New Guinea *Impatiens* selection identified as 'H267-7' as female parent and the proprietary New Guinea *Impatiens* selection identified as 'H196-2' as male parent. 'H267-7' is not commercially available and has not been patented. 'H196-2' is not commercially available and has not been patented.

As a result of this cross the present cultivar was selected as a single plant in September 2002 in Enkhuizen, Netherlands and has been repeatedly asexually reproduced by cuttings in Enkhuizen, Netherlands, in Gilroy, Calif., and in Angers, France over a period of several years. The distinctive characteristics of this new *Impatiens* are stable and reproduced true to type in successive generations of asexual reproduction. It takes 8 to 10 weeks to produce a finished plant, starting from a rooted plug and planted in a 12 cm pot, depending on the temperature.

SUMMARY OF THE INVENTION

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

1. Large bright violet flowers
2. Early flowering and floriferous habit
3. Rounded shaped habit
4. Strong growing and good heat tolerance

Plants of the new New Guinea *Impatiens* differ primarily from the plants of the female parent selection in the following characteristic:

Plants of the New Guinea *Impatiens* have a bright violet flower color, whereas the plants of the female parent selection have a light pink flower color.

Plants of the new New Guinea *Impatiens* differ primarily from the plants of the male parent selection in the following characteristic:

Plants of the new New Guinea *Impatiens* have a bright violet flower color, whereas the plants of the male parent selection have a rose flower color.

Plants of the new New Guinea *Impatiens* can be compared to plants of 'Fisimp 113,' U.S. Plant Pat. No. 13,695. In side-by-side comparisons conducted in Enkhuizen, Netherlands, plants of the new New Guinea *Impatiens* differed from plants of the cultivar 'Fisimp 113' in the following characteristics:

1. Plants of the new New Guinea *Impatiens* have large bright violet flowers that do not discolor when aging, whereas plants of 'Fisimp 113' have large lilac flowers that discolor to violet blush when aging.
2. Plants of the new New Guinea *Impatiens* have small foliage, whereas plants of 'Fisimp 113' have broad foliage.

DESCRIPTION OF THE DRAWING

This new New Guinea *Impatiens* plant is illustrated by the accompanying photographic drawing which shows blooms, buds and foliage of the plant in full color, the color showing being as true as can be reasonably obtained by conventional photographic procedures.

DESCRIPTION OF THE NEW CULTIVAR

The following detailed descriptions set forth the distinctive characteristics of this new New Guinea *Impatiens*. The data which defines these characteristics were collected from asexual reproductions carried out in Enkhuizen, Netherlands. The plant history was taken on 30 week old plants, blossomed under natural light in the field.

Color readings were taken in the laboratory under ambient light. Color references are primarily to The R.H.S. Colour Chart of the Royal Horticultural Society of London.

The plant:

Classification — Botanical.—*Impatiens hawkeri.*

Parentage:

Female parent.—Proprietary *Impatiens hawkeri* selection identified as code number 'G267-7,' not patented.

Male parent.—Proprietary *Impatiens hawkeri* selection identified as code number 'H196-2,' not patented.

Propagation:

Type cutting.—Terminal cuttings.

Type to initiate roots.—Approximately 7–14 days.

Time to produce a rooted cutting.—Approximately 21 days.

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

Plant description:

General appearance.—Outwardly spreading, low rounded and uniform mounded plant growth.

Habit:

Growth and branching habit.—Freely branching habit, freely flowering, vigorous.

Crop time:

Plant height.—28–30 cm.

Plant spread.—45–50 cm.

Lateral branch description:

Length.—16–20 cm.

Diameter.—5–7 mm.

Texture.—Smooth, glabrous.

Internode length.—2–14 cm.

Color.—RHS 183A.

Foliage description:

Arrangement.—Primarily in whorls.

Length, mature leaves.—8.0 cm.

Width, mature leaves.—2.8 cm.

Shape.—Lanceolate.

Apex.—Acuminate.

Base.—Acute.

Margin.—Serrulate with fine cilation.

Texture.—Smooth, glabrous.

Venation pattern.—Pinnate.

Color young foliage, upper surface.—RHS 146A.

Color young foliage, lower surface.—RHS 187A.

Fully expanded foliage, upper surface.—RHS 147A.

Fully expanded foliage, lower surface.—RHS 187A.

Venation, upper surface.—RHS 187B+147A.

Venation, lower surface.—RHS 187A.

Anthocyanin may be present.—RHS 187A.

Petiole length.—About 0.6 cm.

Petiole diameter.—About 3.0 mm.

Texture.—Smooth, glabrous.

Color.—RHS 187B.

Flower description:

Flower type and flowering habit.—Single.

Number of flowers per leaf axil.—1 or 2.

Number of flowers and flower buds per lateral branch.—6.

Flower position.—Above and beyond the foliage and typically facing upwards and outward.

Flower shape.—Rounded, mostly flat.

Flowers lasting.—About 10 days on the plant depending on environmental conditions.

Petals.—Self cleaning.

Gynoecium.—Persistent.

Flowers.—Not fragrant.

Flowering.—Indeterminate and continuous.

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

Flower length.—About 7.2 cm.

Flower width.—About 6.6 cm.

Flower depth.—About 0.8 cm.

Flower buds:

Bud length.—About 2.3 cm.

Bud diameter.—About 1.3 cm.

Bud shape.—Ellipsoidal.

Texture.—Smooth, glabrous.

Color, just before opening.—RHS N47B.

Petals:

Quantity.—Single, five per flower, imbricate.

Length of banner petal.—About 3.6 cm.

Width of banner petal.—About 3.3 cm.

Length lateral and basal petals.—About 3.3 cm.

Width lateral and basal petals.—About 4.8 cm.

Lateral and basal petal shape.—Cordate.

Banner petal shape.—Cordate.

Petal apex.—Retuse to emarginate.

Petal base.—Attenuate.

Petal margin.—Entire.

Petal texture.—Smooth, satiny.

Petal color.—Upper surface: When opening and fully opened: RHS N66A. Lower surface: When opening and fully opened: RHS N66C.

Spur:

Length.—About 5.2 cm.

Texture.—Smooth, glabrous.

Aspect.—Curved.

Color.—RHS 185B.

Peduncles:

Length.—About 5.5 cm.

Strength.—Strong, flexible.

Diameter.—0.2 cm.

Aspect.—About 45° from the stem.

Color.—RHS 185A.

Reproductive organs:

Androecium.—Stamen number: Five fused at anthers, filaments free, hooded.

Anther shape.—Obovate.

Anther length.—About 6 mm.

Anther color.—RHS N57A to 14C, base to apex.

Amount of pollen.—Abundant.

Pollen color.—RHS 4D.

Gynoecium:

Pistil number.—One.

Pistil length.—About 4.5 mm.

Stigma shape.—Columnar, five segmented.

Stigma color.—Red purple.

Style color.—RHS 185A.

Ovary arrangement.—Five celled.

Ovary color.—RHS 144A.

Seed development: Seed development has not been observed.

Disease and pest resistance: Resistance to pathogens and pests common to *Impatiens* has not been observed.

What is claimed is:

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

* * * * *

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : PP 18,308 P2
APPLICATION NO. : 11/437936
DATED : December 11, 2007
INVENTOR(S) : Sanders

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 4, under "Flower buds:" line 18 and after "Color, just before opening.-" delete "RHS N47B" and insert therefor --RHS N74B--

Signed and Sealed this

Fifteenth Day of April, 2008

JON W. DUDAS
Director of the United States Patent and Trademark Office