



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

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(45) **Date of Patent:** **Apr. 3, 2007**

(54) **NEW GUINEA *IMPATIENS* PLANT NAMED ‘INGWWEYE’**

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

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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 134 days.

(21) Appl. No.: **11/221,437**

(22) Filed: **Sep. 8, 2005**

(65) **Prior Publication Data**

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(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.

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(57) **ABSTRACT**

A new and distinct cultivar of New Guinea *Impatiens* plant named ‘Ingwweye’ characterized by its large white flowers with red-purple stripe in the middle of the petal, early flowering, dark foliage, ball shaped growth habit with excellent basal branching and good outdoor vigor.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed: *Impatiens hawkeri*.
Varietal denomination: ‘Ingwweye’.

BACKGROUND OF THE NEW PLANT

The present invention relates to a new and distinct New Guinea *Impatiens* plant botanically known as *Impatiens hawkeri* and referred to by the cultivar name ‘Ingwweye.’

The new cultivar was developed in a controlled breeding program conducted by the inventor in Enkhuizen, Netherlands. The new New Guinea *Impatiens* cultivar is characterized by an early flowering response, large flowers with attractive coloration and a good flowering behavior under field conditions.

The new cultivar is propagated from cuttings resulting from the cross in September 1998 of the proprietary New Guinea *Impatiens* selection identified as ‘E 105-2’ as female parent and the proprietary New Guinea *Impatiens* selection identified as ‘E 64-2’ as male parent. ‘E 105-2’ is not commercially available and has not been patented. ‘E 64-2’ is not commercially available and has not been patented.

As a result of this cross the present cultivar was selected in September 1999 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 9 to 11 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 ‘Ingwweye.’ These characteristics in combination distinguish ‘Ing-

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wweye’ as a new and distinct New Guinea *Impatiens* cultivar:

1. Large white flowers with red-purple stripe in the middle of the petal
2. Ball shaped growth habit with flowers on top of the foilage
3. Dark green foilage
4. Excellent basal branching
5. Good outdoor vigor

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

Plants of the New Guinea *Impatiens* have white flowers with red-purple stripe in the middle of the petal, whereas the plants of the female parent have light violet flowers.

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 Guinea *Impatiens* have large white flowers with red-purple stripe in the middle of the petal, whereas the plants of the male have medium sized white flowers with pink spot in the center.

Plants of the new New Guinea *Impatiens* can be compared to plants of ‘Kimps,’ not patented in the United States. In side-by-side comparisons conducted by the inventor in Enkhuizen, Netherlands, plants of the new New Guinea *Impatiens* differed from plants of ‘Kimps’ in the following characteristics:

1. Plants of the new New Guinea *Impatiens* have mid dark shiny leaves, whereas the cultivar ‘Kimps’ has green-colored leaves.
2. Plants of the new New Guinea *Impatiens* have white flowers with a distinct red eye and a red-purple stripe in the middle of the petal, whereas the flowers of the cultivar ‘Kimps’ are white with a red eye.

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 'E 105-2,' not patented.

Pollen parent.—Proprietary *Impatiens hawkeri* selection identified as Code number 'E 64-2,' not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time 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.—22 cm.

Plant spread.—45 cm.

Lateral branch description:

Length.—16–20 cm.

Diameter.—3–5 mm.

Texture.—Smooth, glabrous.

Internode length.—2–8 cm.

Color.—RHS 187A.

Foliage description:

Arrangement.—Opposite or in whorls.

Length, mature leaves.—5.5–6 cm.

Width, mature leaves.—1.8–2 cm.

Shape.—Lanceolate.

Apex.—Acuminate.

Base.—Acute.

Margin.—Serrulate with fine ciliation.

Texture.—Smooth, glabrous.

Venation pattern.—Pinnate.

Color young foliage, upper surface.—RHS 139A.

Color young foliage, lower surface.—RHS 148A.

Fully expanded foliage, upper surface.—RHS 139A.

Fully expanded foliage, lower surface.—RHS 183C.

Venation, upper surface.—RHS 187B.

Venation, lower surface.—RHS 187B.

Petiole length.—About 0.3–0.6 cm.

Petiole diameter.—About 2 cm.

Texture.—Smooth, glabrous.

Color.—RHS 187C.

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 4.5–5 cm.

Flower width.—About 4.5–5 cm.

Flower depth.—About 0.2 cm.

Flower buds:

Bud length.—About 2 cm.

Bud diameter.—About 1.2 cm.

Bud shape.—Ellipsoidal.

Texture.—Smooth, glabrous.

Color, just before opening.—Upper side RHS 58C, under side RHS 62D.

Petals:

Quantity.—Single, five per flower, imbricate.

Length of banner petal.—About 2.2 cm.

Width of banner petal.—About 3.3 cm.

Length lateral and basal petals.—About 2.4 cm.

Width lateral and basal petals.—About 2.4 cm.

Lateral and basal petal shape.—Obcordate.

Banner petal shape.—Roughly obcordate.

Petal apex.—Emarginate.

Petal base.—Attenuate.

Petal margin.—Entire.

Petal texture.—Smooth, satiny.

Petal color.—Upper surface: When opening and fully opened: RHS 155B. One vein: RHS 61B. Middle eye: RHS 61B. Lower surface: When opening and fully opened: RHS 69D with vein.

Spur:

Length.—About 3 cm.

Texture.—Smooth, glabrous.

Aspect.—Curved.

Color.—RHS 59C.

Peduncles:

Length.—About 2.5–3.5 cm.

Strength.—Strong, flexible.

Diameter.—1–2 mm.

Aspect.—About 45° from the stem.

Color.—RHS 174A.

Reproductive organs:

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

Anther shape.—Oval.

Anther length.—About 4 mm.

Anther color.—RHS 155C.

Amount of pollen.—Scarce to moderate.

Pollen color.—RHS 155B.

Gynoecium:

Pistil number.—One.

Pistil length.—About 4 mm.

Stigma shape.—Columnar, five segmented.

Stigma color.—Colorless.

Style color.—RHS 38D.
Ovary arrangement.—Five celled.
Ovary color.—RHS 141D.
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 ‘Ingwweye’, as substantially illustrated and described herein.

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : PP 17,544 P3
APPLICATION NO. : 11/221437
DATED : April 3, 2007
INVENTOR(S) : Sanders

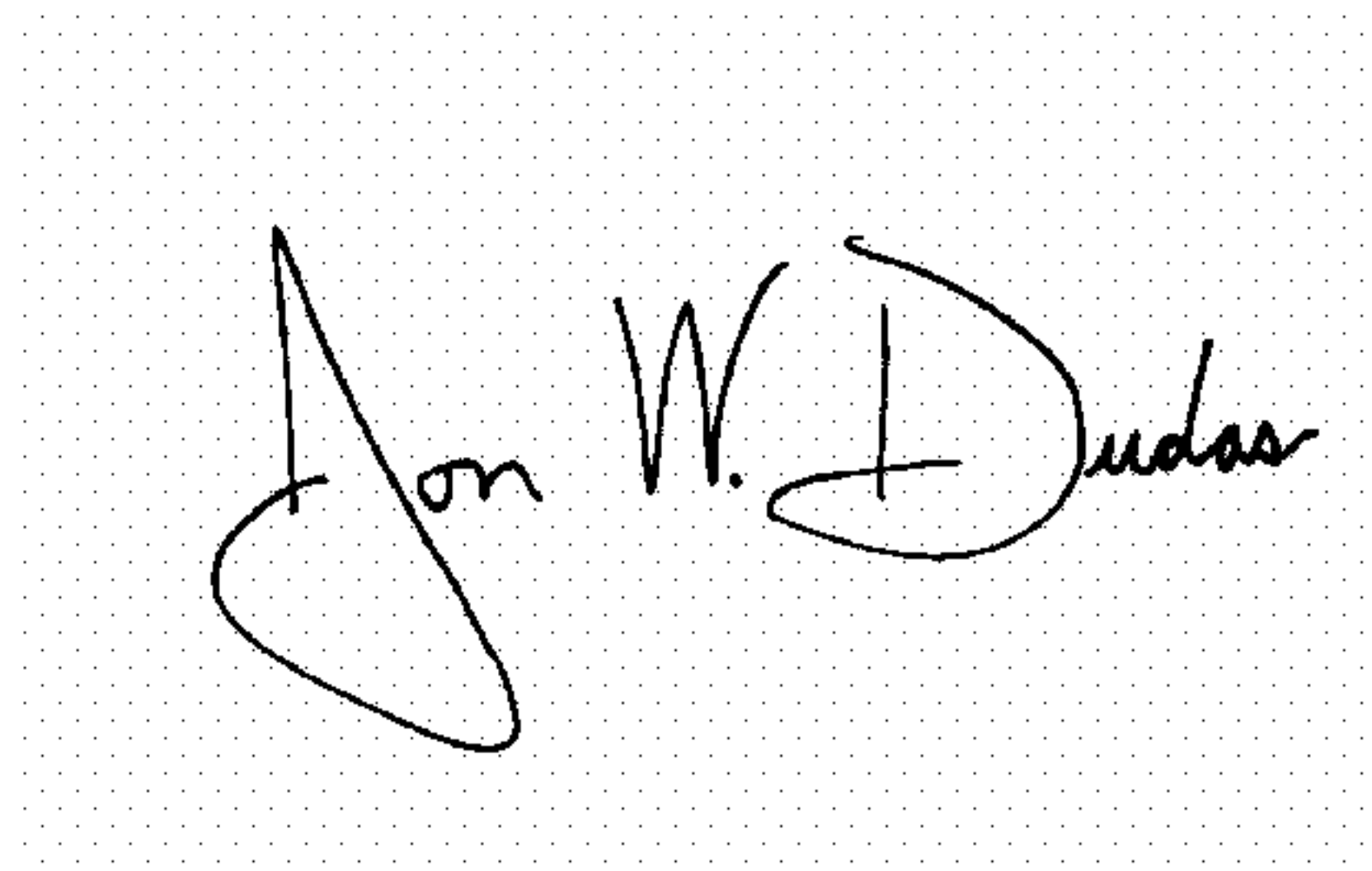
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, column 1, item (50), Varietal Denomination, delete "Ingborg" and insert therefor --Ingwweye--

Signed and Sealed this

Twenty-first Day of August, 2007

A handwritten signature in black ink on a light gray dotted background. The signature reads "Jon W. Dudas" in a cursive, stylized script. The "J" is large and loops around the "on". The "W" is written with two distinct peaks. The "D" is large and loops around the "udas".

JON W. DUDAS

Director of the United States Patent and Trademark Office