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Sanders

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

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

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patent is extended or adjusted under 35
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(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 'Ingscartwo' characterized by its large red flowers,
early flowering, dark green foliage, ball shaped growth habit
with good 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: 'Ingscartwo'.

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 'Ingscartwo.'

The new cultivar was developed in a controlled breeding
program conducted by the inventor in Enkhuizen, Nether-
lands. The new New Guinea *Impatiens* cultivar has 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 2001 of the proprietary New
Guinea *Impatiens* selection identified as 'H 68-1' as a female
parent and the proprietary New Guinea *Impatiens* selection
identified as 'H 68-5' as male parent. 'H68-1' and 'H 68-5'
are not commercially available and have not been patented.

As a result of this cross the present cultivar was selected
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 tempera-
ture.

SUMMARY OF THE INVENTION

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

1. Large red flowers
2. Ball shaped growth habit with flowers on top of the
foliage
3. Dark green foliage
4. Good basal branching character
5. Good outdoor vigor

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

Plants of the New Guinea *Impatiens* have large red
flowers, whereas the plants of the female parent have large
carmine red 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 very large red
flowers and medium sized dark green foliage, whereas the
plants of the male parent have large red flowers and small
sized foliage.

Plants of the new New Guinea *Impatiens* can be compared
to plants of 'Moala,' U.S. Plant Pat. No. 10,301. In side-
by-side comparisons conducted in Enkhuizen, Netherlands,
plants of the new New Guinea *Impatiens* differed from
plants of the cultivar 'Moala' in the following characteris-
tics:

1. Plants of the new New Guinea *Impatiens* have flat, red
flowers, whereas the plants of the cultivar 'Moala' have
cup shaped, red flowers.
2. Plants of the new New Guinea *Impatiens* have a ball
shaped growth habit, whereas plants of the cultivar
'Moala' have a bushy shaped growth habit.
3. Plants of the new New Guinea *Impatiens* have good
plant vigor, whereas the cultivar 'Moala' have moder-
ate plant vigor.

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 distinc-
tive characteristics of this new New Guinea *Impatiens*. The
data which defines these characteristics were collected from
asexual reproductions carried out in Enkhuizen, Nether-

lands. 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 'H 68-1,' not patented.

Male parent.—Proprietary *Impatiens hawkeri* selection identified as Code number 'H 68-5,' 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, moderate vigorous.

Crop time:

Plant height.—21 cm.

Plant spread.—36 cm.

Lateral branch description:

Length.—15–17 cm.

Diameter.—4–7 mm.

Texture.—Smooth, glabrous.

Internode length.—1–6 cm.

Color.—RHS 185A.

Foliage description:

Arrangement.—Opposite or in whorls.

Length, mature leaves.—5.5–6 cm.

Width, mature leaves.—2.2–2.4 cm.

Shape.—Lanceolate.

Apex.—Acute to acuminate.

Base.—Attenuate.

Margin.—Serrulate with fine ciliation.

Texture.—Smooth, glabrous.

Venation pattern.—Pinnate.

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

Color young foliage, lower surface.—RHS 146C.

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

Fully expanded foliage, lower surface.—RHS 147B.

Venation, upper surface.—RHS 151A.

Venation, lower surface.—RHS 187B.

Petiole length.—About 1–1.4 cm.

Petiole diameter.—About 3 mm.

Texture.—Smooth, glabrous.

Color.—RHS 185A.

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.—5.

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 5.5–5.8 cm.

Flower width.—About 5.3–5.8 cm.

Flower depth.—About 0.2 cm.

Flower buds:

Bud length.—About 1.3 cm.

Bud diameter.—About 1.2 cm.

Bud shape.—Ovoid.

Texture.—Smooth, glabrous.

Color, just before opening.—RHS 45B.

Petals:

Quantity.—Single, five per flower, imbricate.

Length of banner petal.—About 2.8–3 cm.

Width of banner petal.—About 4–4.4 cm.

Length lateral and basal petals.—About 3.1–3.4 cm.

Width lateral and basal petals.—About 3–3.3 cm.

Lateral and basal petal shape.—Obcordate.

Banner petal shape.—Obcordate.

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 46B. Lower surface: When opening and fully opened: RHS 47B.

Spur:

Length.—About 3.7 cm.

Texture.—Smooth, glabrous.

Aspect.—Curved.

Color.—RHS 187B.

Peduncles:

Length.—About 3.3 cm.

Strength.—Strong, flexible.

Diameter.—0.2 mm.

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 5.5 mm.

Anther color.—RHS 46C.

Amount of pollen.—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 145D.

Ovary arrangement.—Five celled.

Ovary color.—RHS 144C.

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 'Ingscartwo', as substantially illustrated and described herein.

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