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

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(54) **IMPATIENS PLANT NAMED ‘IMTRADARED’**

(50) Latin Name: *Impatiens walleriana*
Varietal Denomination: **Imtradared**

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(*) 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.: **11/586,357**

(22) Filed: **Oct. 25, 2006**

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

(52) **U.S. Cl.** **Plt./317**

(58) **Field of Classification Search** **Plt./317**
See application file for complete search history.

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(57) **ABSTRACT**

A new *Impatiens* plant, characterized particularly as to
novelty by a flat and strong outward spreading growth habit,
freely branching with branches that tend to grow
horizontally, resulting in a big and floriferous plant with
deep red flowers.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed:
Impatiens walleriana.
Varietal denomination: ‘Imtradared’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new distinct cultivar of
Impatiens, botanically known as *Impatiens walleriana*.

The new *Impatiens* is a product of a planned breeding
program conducted in Enkhuizen, Netherlands. The new
Impatiens cultivar has a flat and spreading growing type, is
floriferous with large flowers, and has attractive foliage.

The present cultivar originated from a cross-pollination
made in 2002, of a proprietary *Impatiens walleriana* selec-
tion identified as ‘R3627-1,’ not patented, as the female, or
seed parent, with a proprietary *Impatiens walleriana* selec-
tion identified as ‘S1973-1,’ not patented, as the male, or
pollen parent.

The present cultivar has been repeatedly asexually repro-
duced by cuttings in Enkhuizen, Netherlands, in Angers,
France, and in Gilroy, Calif., USA over a four year period.
The new variety is stable and reproduces true to type in
successive generations of asexual reproduction. It takes 6 to
8 weeks to produce a finished plant, depending on the
temperature.

This new *Impatiens* plant is an annual in most climatical
zones in the US, only in zones 9 and 10 it is a perennial
plant.

DESCRIPTION OF THE DRAWING

This new *Impatiens* plant is illustrated by the accompa-
nying 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 photo-
graphic procedures.

DESCRIPTION OF THE NEW CULTIVAR

The following detailed descriptions set forth the distinc-
tive characteristics of this new *Impatiens*. The data which

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defines these characteristics were collected from asexual
reproductions carried out in Enkhuizen, Netherlands. The
plants history was taken on 27 week old plants blossomed
under natural light in the field.

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

Plants of the new *Impatiens* differ primarily from the
plants of the female parent selection in the following char-
acteristics:

Plants of the new *Impatiens* have deep red flowers and a
good trailing habit, whereas the plants of the female parent
have purple violet flowers.

Plants of the new *Impatiens* differ primarily from the
made plant selection in the following characteristics:

Plants of the new *Impatiens* have deep red flowers,
whereas the plants of the male parent have orange flowers.

TABLE 1

| DIFFERENCES BETWEEN THE NEW CULTIVAR ‘IMTRADARED’ AND A SIMILAR CULTIVAR | | |
|---|------------------------|--|
| | ‘Imtradared’ | ‘Imtrared’ (U.S. Pat. No. PP17,327) |
| Flower color: | Deep red | Bright red |
| Leaf color: | Dark green | Green |
| Trailing habit: | Long trailing branches | Trailing branches |

The family relationship between ‘Imtradared’ is: The
female parent line of ‘Imtradared’ is RBGE 19821569×
G2171-1 crossed with line L0044. The male parent line of
‘Imtradared’ is RBGE 19821569×G2171-1 crossed with line
L0003.

The plant:
Parentage.
Female parent.—‘R3627-1,’ not patented.
Male parent.—‘S1973-1,’ not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—10–12 days at 20° C.

Time to produce a rooted cutting.—4 weeks.

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

Plant description:

General appearance.—Makes long branches that tend to grow horizontally.

Habit:

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

Plant height.—50 cm.

Plant spread.—115 cm.

Lateral branch description:

Length.—10–64 cm.

Diameter.—5–7 mm.

Texture.—Smooth, glabrous.

Internode length.—1–3 cm.

Color.—RHS 178B.

Foliage description:

Arrangement.—Alternate.

Length, mature leaves.—6 mm.

Width, mature leaves.—3 cm.

Shape.—Broadly elliptic.

Apex.—Acuminate.

Base.—Attenuate.

Margin.—Serrate.

Texture.—Smooth, glabrous.

Venation pattern.—Pinnate.

Color young foliage, upper surface.—RHS 147A.

Color young foliage, lower surface.—RHS 176A.

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

Fully expanded foliage, lower surface.—RHS 177A.

Venation, upper surface.—RHS 174A.

Venation, lower surface.—RHS 199B.

Petiole, length.—1.5–2 cm.

Petiole, diameter.—About 2 mm.

Petiole, texture.—Smooth, glabrous.

Petiole, color.—RHS 199C.

Flower description:

Flower type and flowering habit.—Single.

Number of flowers per leaf axil.—2–3.

Number of flowers and flower bud per lateral branch.—20–30.

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

Flower shape.—Rounded, mostly flat. Flower lasting about 7–9 days on the plant depending on environmental conditions. Flowers non persistent. Flowers not fragrant. Flowers indeterminate and continuous.

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

Flower diameter.—About 5 cm.

Flower depth.—3 mm.

Flower buds.

Rate of opening.—From flower bud to fully opened flower, typically about 6–8 days, depending on temperature.

Bud length (at stage of showing color).—About 1.5 cm.

Bud diameter.—About 1 cm.

Bud shape.—Ellipsoidal.

Texture.—Smooth, glabrous.

Color, just before opening.—RHS N34B over the middle of the bud and upper and lower part of the bud is RHS 144B with purple spots.

Petals:

Quantity.—Single, five per flower, imbricate.

Length of banner petal.—About 2 cm.

Width of banner petal.—About 3 cm.

Length, lateral and basal petals.—About 2.5 cm.

Width, lateral and basal petals.—About 2.5 cm.

Lateral and basal petal shape.—Obovate.

Banner petal shape.—Broadly obcordate.

Petal apex.—Emarginate.

Petal base.—Short attenuate.

Petal margin.—Entire.

Petal texture.—Smooth, satiny.

Petal color.—Upper surface when opening and fully opened: RHS 45B. Lower surface when opening and fully opened: RHS 33A.

Sepals:

Lateral sepals.—2.

Shape.—Ovate-lanceolate.

Apex.—Acute.

Base, lower sepal.—Shallowly navicular.

Margin.—Entire.

Length.—5–7 mm.

Width, lower sepal.—9–11 mm.

Texture, upper and lower surface.—Smooth, glabrous.

Spur:

Length.—3 cm.

Texture.—Smooth, glabrous.

Aspect.—Curved.

Color.—RHS 179A.

Peduncles:

Length.—2.5–3.5 cm.

Diameter.—2 mm.

Aspect.—About 45 degrees from the stem.

Color.—RHS 144A.

Bracts:

Number.—2–4.

Shape.—Linear-lanceolate.

Apex.—Acute.

Length.—3–7 mm.

Color.—RHS 146C.

Reproductive organs:

Androecium.—Stamen number: Five fused at anthers, filaments free, hooded. Anther shape: Oval. Anther length: About 4 mm. Anther color: RHS 145B. Amount of pollen: No pollen.

Gynoecium.—Pistil number: One. Pistil length: About 6 mm. Stigma shape: Columnar, five segmented. Stigma color: Red purple, RHS 72B. Style color: RHS 60B. Ovary arrangement: Five celled. Ovary color: RHS 141A.

Seed development: Seed development has not been observed.

Disease/pest tolerance: No known susceptibility to disease or insects noted to date.

What is claimed is:

1. A new and distinct cultivar of *Impatiens* plant named ‘Imtradared,’ as substantially illustrated and described herein.

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : PP 18,532 P2
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INVENTOR(S) : Sanders

Page 1 of 1

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 line 17, under "Petal color" and after "Upper surface when opening and fully opened:" delete "RSH" and insert therefor --RHS--

Signed and Sealed this

Twenty-seventh Day of May, 2008

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with the first name "Jon" and last name "Dudas" clearly legible, and "W." in the middle.

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