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

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

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

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

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

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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.

(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 large salmon flowers.

(21) Appl. No.: **11/601,192**

(22) Filed: **Nov. 17, 2006**

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

1 Drawing Sheet

1

2

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

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

BACKGROUND OF THE NEW PLANT

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

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

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.

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

The present cultivar originated from a cross-pollination made in 2002, of a proprietary *Impatiens walleriana* selection identified as ‘S3408-1’, not patented, as the female, or seed parent, with a proprietary *Impatiens walleriana* selection identified as ‘S2012-1,’ not patented, as the male, or pollen parent.

15 Plants of the new *Impatiens* have large, salmon flowers and a good trailing habit, whereas the plants of the female parent have orange flowers.

The present cultivar has been repeatedly asexually reproduced 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.

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

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.

25 Plants of the new *Impatiens* have salmon flowers, whereas the plants of the male parent have light salmon flowers.

TABLE 1

DIFFERENCES BETWEEN THE NEW CULTIVAR ‘IMTRASAMTO’ AND A SIMILAR CULTIVAR

	‘Imtrasamto’	‘Imtrasalm’ (U.S. Plant Pat. No. 17,109)
Flower size:	Large	Medium
Habit:	Long trailing branches	Medium long trailing branches

DESCRIPTION OF THE DRAWING

This new *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.

30 The family relationship between ‘Imtrasamto’ is:

The female parent line of ‘Imtrasamto’ is RBGE 19821569xJ475-2 crossed with line H0420.

35 The male parent line of ‘Imtradared’ is RBGE 19821569xJ475-2 crossed with line M0170.

DESCRIPTION OF THE NEW CULTIVAR

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

The plant:
Parentage:

Female parent.—‘S3408-1,’ not patented.
Male parent.—‘S2012-1,’ 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.—35 cm.
Plant spread.—112 cm.

Lateral branch description:

- Length.*—23-52 cm.
Diameter.—3-6 mm.
Texture.—Smooth, glabrous.
Internode length.—1-5 cm.
Color.—RHS 199A.

Foliage description:

- Arrangement.*—Alternate.
Length, mature leaves.—4-5 cm.
Width, mature leaves.—3-3.5 cm.
Shape.—Ovate.
Apex.—Acuminate.
Base.—Acute.
Margin.—Serrate.
Texture.—Smooth, glabrous.
Venation pattern.—Pinnate.
Color young foliage, upper surface.—RHS 139A.
Color young foliage, lower surface.—RHS 146B.
Fully expanded foliage, upper surface.—RHS 137A.
Fully expanded foliage, lower surface.—RHS 146C.
Venation, upper surface.—RHS 146D.
Venation, lower surface.—RHS 146B.
Petiole, length.—1.5-2 cm.
Petiole, diameter.—About 2 mm.
Texture.—Smooth, glabrous.
Color.—RHS 199A.

Flower description:

- Flower type and flowering habit.*—Single.
Number of flowers per leaf axil.—1-4.
Number of flowers and flower buds per lateral branch.—15-28.
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 the 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 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.—Ovoid.

Texture.—Smooth, glabrous.

Color, just before opening.—RHS 52B.

Petals:

- Quantity.*—Single, five per flower, imbricate.
Length of banner petal.—About 2 cm.
Width of banner petal.—About 2.5 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 obovate.
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 41A. Lower surface when opening and fully opened: RHS 39B.

Sepals:

- Lateral sepals.*—2.
Shape.—Elliptical.
Apex.—Acute.
Margin.—Entire.
Length.—3-7 mm.
Color.—RHS 139A.
Texture, upper and lower surface.—Smooth, glabrous.

Spur:

- Length.*—About 1.5 cm.
Texture.—Smooth, glabrous.
Aspect.—Curved.
Color.—RHS 162B.

Peduncles:

- Length.*—2-3 cm.
Diameter.—1 mm.
Aspect.—About 45 degrees from the stem.
Color.—RHS 199B.

Bracts:

- Number.*—At least 2.
Shape.—Linear-lanceolate.
Apex.—Acute.
Length.—3-6 mm.
Color.—RHS 146B.

Reproductive organs:

- Androecium.*—Stamen number: Five fused at anthers, filaments free, hooded. Anther shape: Obovate. Anther length: About 5 mm. Anther color: RHS 39A. Amount of pollen: No pollen.
Gynoecium.—Pistil number: One. Pistil length: About 4 mm. Stigma shape: Columnar, five segmented. Stigma color: Red purple. Style color: RHS 142C. 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 'Imtrasamto,' as substantially illustrated and described herein.

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : PP 18,566 P2
APPLICATION NO. : 11/601192
DATED : March 4, 2008
INVENTOR(S) : Monica Maria Adelheid 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 2, line 34, delete "Imtradared" and insert therefor --'Imtrasmato'--

At column 3, under "Flower shape" delete "Flower" and insert therefor --Flowers-- before "lasting"

Signed and Sealed this

Tenth Day of June, 2008

A handwritten signature in black ink that reads "Jon W. Dudas". The signature is written in a cursive style with a large, looped initial "J".

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