



US00PP17119P2

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

(10) **Patent No.:** **US PP17,119 P2**
(45) **Date of Patent:** **Sep. 26, 2006**

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

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

(75) Inventor: **Monica Maria Adelheid Sanders,**
Grootebroek (NL)

(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 16 days.

(21) Appl. No.: **11/203,752**

(22) Filed: **Aug. 15, 2005**

(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.

Primary Examiner—Kent Bell

(74) *Attorney, Agent, or Firm*—Bruce Vrana

(57) **ABSTRACT**

A new *Impatiens* plant, characterised 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 very floriferous plant with
large lavender flowers.

1 Drawing Sheet

1

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

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 by the inventor in Enkhuizen, Nether-
lands. The new *Impatiens* cultivar is characterized by a flat
and spreading growing habit, freely branching with branches
that tend to grow horizontally resulting in a floriferous plant
with large, lavender flowers.

The present cultivar originated from a cross-pollination
made in 1999, of a proprietary *Impatiens* selection identified
as ‘N2984-1,’ not patented, as the female, or seed parent,
with a proprietary *Impatiens* selection identified as ‘P1207-
1,’ not patented, as the male, or pollen parent. ‘Imtralave’
differs from its parents primarily in flower color.

The present cultivar has been repeatedly asexually repro-
duced by cuttings in Enkhuizen, Netherlands, in Angers,
France and in Gilroy, Calif. over a three-year period. The
distinctive characteristics of this new *Impatiens* are stable
and reproduced 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 USA, only in zones 9 and 10 it is a perennial
plant.

DESCRIPTION OF THE DRAWING

This new *Impatiens* is illustrated by the accompanying
photographic drawing which shows blooms, buds and foli-
age 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 *Impatiens*. The data which
defines these characteristics were collected from asexual

2

reproductions carried out in Enkhuizen, Netherlands. The
plant history was taken on 25 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. Color
Chart of The Royal Horticultural Society of London.

TABLE 1

Differences between the new cultivar ‘Imtralave’ and a similar cultivar		
	‘Imtralave’	‘Imtrarose’
Flower color	Lavender	Rose
Leaf color	Green	Dark green
Habit	Flat and spreading	Long trailing branches

‘Imtrarose’, co-pending U.S. Plant patent application Ser.
No. 11/051,269.

The plant:

Parentage:

Female parent.—‘N2984-1,’ not patented.

Male parent.—‘P1207-1,’ not patented.

Propagation:

Typing 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.—Make long branches that tend to
grow horizontally.

Habit:

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

Plant height.—20–31 cm.

Plant spread.—90–100 cm.

Lateral branch description:

Length.—37–47 cm.

Diameter.—4–6 mm.

Texture.—Smooth, glabrous.

Internode length.—0.5–10 cm.

Color.—RHS 144A.

Foliage description:

Arrangement.—Alternate/opposite.
Length, mature leaves.—5.7–6.5 cm.
Width, mature leaves.—3.0–3.4 cm.
Shape.—Broadly elliptic.
Apex.—Acuminate.
Base.—Acute.
Margin.—Serrate.
Texture.—Smooth, glabrous.
Venation pattern.—Pinnate.
Color young foliage, upper surface.—RHS 147A.
Color young foliage, lower surface.—RHS 147C.
Fully expanded foliage, upper surface.—RHS 147B.
Fully expanded foliage, lower surface.—RHS 148B.
Venation, upper surface.—RHS 144A.
Venation, lower surface.—RHS 146A.
Petiole length.—About 1.5–2.5 cm.
Petiole diameter.—About 2 mm.
Texture.—Smooth, glabrous.
Color.—RHS 144A.

Flower description:

Flower type and flowering habit.—Single.
Number of flowers per leaf axil.—3–5.
Number of flowers and flower buds per lateral branch.—8–12.
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 and not fragrant.
Flowering.—Indeterminate and continuous.
Flowering season.—Year round under greenhouse conditions. In the garden, flowering from spring until fall.
Flower diameter.—About 4.7 cm.

Flower buds:

Rate of opening.—From flower bud to fully open flower, typically about 6–8 days, depending on temperature.
Bud length (at stage of showing color).—About 1.3 cm.
Bud diameter.—About 0.9 cm.
Bud shape.—Ovoid.
Texture.—Smooth, glabrous.
Color, just before opening.—RHS N78C.

Petals:

Quantity.—Single, five per flower, imbricate.
Length of banner petal.—About 1.8 cm.
Width of banner petal.—About 2.5–2.8 cm.
Length lateral and basal petals.—About 2.4–3 cm.
Width lateral and basal petals.—About 2–2.3 cm.
Lateral and basal petal shape.—Obovate.
Banner petal shape.—Broadly obcordate.

Petal apex.—Retuse.
Petal base.—Attenuate.
Petal margin.—Entire.
Petal texture.—Smooth, satiny.
Petal color.—Upper surface: When opening and fully opened: RHS N78A. Lower surface: When opening and fully opened: RHS N78C.

Sepals:

Lateral sepals.—2.
Shape.—Ovate-lanceolate.
Apex.—Acute.
Margin.—Entire.
Length.—3–7 mm.
Texture upper and lower surface.—Smooth, glabrous.

Spur:

Length.—About 3.5 cm.
Texture.—Smooth, glabrous.
Aspect.—Curved.
Color.—RHS 151A.

Peduncles:

Length.—About 2.6 cm.
Diameter.—1 cm.
Aspect.—About 45° from the stem.
Color.—RHS N144C.
Bracts.—At least 2.
Shape.—Subulate.
Apex.—Acute.
Length.—3–6 mm.
Color.—RHS 144A.

Reproductive organs:

Androecium.—Stamen number: Five fused at anthers, filaments free, hooded.
Anther shape.—Obovate.
Anther length.—About 5 mm.
Anther color.—RHS 70A.
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 77A.
Ovary arrangement.—Five celled.
Ovary color.—RHS 147A.
Seed development.—Seed development has not been observed.
Disease/pest tolerance.—No known susceptibility to diseases or insects noted to date.

What is claimed is:

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

* * * * *

