



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

(10) **Patent No.: US PP15,558 P2**
(45) **Date of Patent: Feb. 15, 2005**

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

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

(75) Inventor: **Graham Noel Brown**, Pennant Hills
(AU)

(73) Assignee: **NuFlora International Pty. Ltd.**,
Macquarie Fields (AU)

(*) 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.: **10/822,985**

(22) Filed: **Apr. 13, 2004**

(51) **Int. Cl.⁷** **A01H 5/00**

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

(58) **Field of Search** **Plt./317**

(56) **References Cited**
PUBLICATIONS

UPOV ROM GTITM Computer Database, GTI Jouve
Retrieval Software 2004/02 citation(s) for Cobimpto.*
Email from Tanvir.Hossain@affa.gov.au dated Tuesday, Jul.
27, 2004.*
Plant Varieties Journal vol. 16 No. 1 Quarter One 2003 May
16, 2003, pp. 1, 12, 22–23.*
Results of Plant Varieties Journal website search.*
* cited by examiner

Primary Examiner—Kent Bell
Assistant Examiner—W C Haas
(74) *Attorney, Agent, or Firm*—C. A. Whealy

(57) **ABSTRACT**

A new and distinct cultivar of Double *Impatiens* plant named
‘Cobimpto’, characterized by its compact, mounded and
outwardly spreading plant habit; freely basal branching
habit; dark green leaves; large red purple-colored flowers;
fully double flower form; freely flowering habit; and flowers
positioned above and beyond the foliage.

1 Drawing Sheet

1

Botanical classification: *Impatiens walleriana* cultivar
Cobimpto.

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct culti-
var of *Impatiens* plant, botanically known as *Impatiens*
walleriana, commercially known as Double *Impatiens*, and
hereinafter referred to by the name ‘Cobimpto’.

The new *Impatiens* is a naturally-occurring whole plant
mutation of the Double *Impatiens* cultivar Codimpca, not
patented. The new *Impatiens* was discovered and selected by
the Inventor as a flowering plant from within a population of
plants of ‘Codimpca’ in a controlled environment in
Cobbitty, New South Wales, Australia in 1999.

Asexual reproduction of the new cultivar by terminal
cuttings taken at Macquarie Fields, New South Wales,
Australia since December 1999, has shown that the unique
features of this new *Impatiens* are stable and reproduced true
to type in successive generations of asexual reproduction.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and
are determined to be the unique characteristics of
‘Cobimpto’. These characteristics in combination distin-
guish ‘Cobimpto’ as a new and distinct cultivar:

1. Compact, mounded and outwardly spreading plant
habit.
2. Freely basal branching habit.
3. Dark green leaves; densely foliated.
4. Large red purple-colored flowers.
5. Fully double flower form.
6. Freely flowering habit.
7. Flowers positioned above and beyond the foliage.

2

Plants of the new *Impatiens* differ from plants of the
parent, the cultivar Codimpca primarily in flower coloration
as flowers of plants of the female parent are pink in color.

Plants of the new *Impatiens* can be compared to plants of
the *Impatiens* cultivar Fiesta Violet, not patented. Plants of
the new *Impatiens* differ primarily from plants of the cultivar
Fiesta Violet in time to flower as plants of the new *Impatiens*
flower about one week earlier than plants of the cultivar
Fiesta Violet.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the
overall appearance of the new cultivar, showing the colors as
true as it is reasonably possible to obtain in colored repro-
ductions of this type. Colors in the photograph may differ
slightly from the color values cited in the detailed botanical
description which accurately describe the colors of the new
Impatiens.

The photograph at the bottom of sheet comprises a side
perspective view of a typical flowering plant of ‘Cobimpto’
grown in a 15-cm container for about 12 weeks.

The photograph at the top of the sheet comprises a
close-up view of typical developing flowers and leaves of
‘Cobimpto’.

DETAILED BOTANICAL DESCRIPTION

The cultivar Cobimpto has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment such as tempera-
ture and light intensity without, however, any variance in
genotype. Plants used in the aforementioned photographs
and for the following description were grown in Lompoc,
Calif., under commercial practice during the winter in a
polycarbonate-covered greenhouse with day temperatures

about 18 to 24° C., night temperatures about 16 to 18° C. and light levels about 4,000 to 8,000 foot-candles. Unrooted cuttings were directly planted in 15-cm containers and grown for about 17 weeks. In the following description, color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Impatiens walleriana* cultivar Cobimpto.

Parentage: Naturally-occurring whole plant mutation of the *Impatiens walleriana* cultivar Codimpca, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—About 10 to 14 days at 21° C.

Time to produce a rooted cutting or liner.—About 21 to 28 days at 21° C.

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

Rooting habit.—Freely branching; dense.

Plant description:

General appearance.—Compact, mounded and outwardly spreading.

Growth and branching habit.—Moderately vigorous and freely-basal branching with about 15 lateral branches developing at the base; dense and bushy growth. Pinching, that is, removal of the terminal apices, will enhance branching.

Crop time.—About eight weeks are required to produce a finished flowering plant from planting an unrooted cutting in a 15-cm pot.

Plant height.—About 12 cm.

Plant diameter or spread.—About 36 cm.

Lateral branches.—Length: About 14 cm. Diameter: About 7 mm. Internode length: About 2.25 cm. Texture: Smooth. Color: 195A overlain with 187B.

Foliage description.—Arrangement: Simple, alternate. Length: About 3.8 cm. Width: About 2.8 cm. Shape: Elliptic. Apex: Acuminate. Base: Attenuate. Margin: Scalloped; sparsely ciliate. Texture, upper and lower surfaces: Glabrous, smooth. Venation pattern: Pinnate, arcuate. Color: Developing and fully expanded foliage, upper surface: 147A. Developing and fully expanded foliage, lower surface: 147B. Venation, upper surface: 146B. Venation, lower surface: 146A. Petiole: Length: About 1.3 cm. Diameter: About 2 mm. Color: 195A.

Flower description:

Flower type and habit.—Numerous and consistently large fully double flowers. Freely and continuously

flowering. Flower buds open similar to a rose in fullness; flowers rounded. Flowers arise from leaf axils. Typically about 30 flowers and flower buds per lateral branch. Flowers positioned above and beyond the foliage and typically face upward and outward. Flowers last about five to seven days under greenhouse conditions. Flowers not persistent. Flowers not fragrant.

Flowering season.—Year-round under greenhouse conditions. In the garden, flowering in continuous from spring until fall.

Flower size.—Diameter: About 3.8 cm. Depth: About 2 cm.

Flower buds.—Length, at stage of showing color: About 1.5 cm. Diameter, at stage of showing color: About 1.2 cm. Shape: Rounded to ovoid. Color: 70B.

Petals.—Quantity/arrangement: About 36 per flower; imbricate. Length, outer petals: About 2 cm. Width, outer petals: About 2.2 cm. Shape: Obovate to cordate. Apex: Rounded to occasionally emarginate. Base: Acute. Margin: Entire. Texture, upper and lower surfaces: Velvety, smooth. Color: When opening, upper surface: 66A. When opening, lower surface: 72C. Fully opened, upper surface: 74A; color becoming closer to 78A with development. Fully opened, lower surface: 74A.

Spurs.—Length: About 3 cm. Diameter, at flower: About 2.5 mm. Diameter, at apex: Less than 1 mm. Color: 146D.

Sepals.—Quantity/arrangement: Five in a single whorl. Calyx length: About 1.1 cm. Calyx diameter: About 1 cm. Shape: Elliptic. Apex: Broadly acute. Margin: Entire. Texture, upper and lower surfaces: Smooth. Color: Upper surface: 145D. Lower surface: 145C.

Peduncles.—Length: About 2.2 cm. Diameter: About 2 mm. Angle: About 45 to 55° to the lateral branch. Strength: Strong. Color: 195A.

Reproductive organs.—None observed.

Seed/fruit.—Seed and fruit development has not been observed.

Disease/pest resistance: Plants of the new *Impatiens* have not been observed to be resistant to pathogens and pests common to *Impatiens*.

It is claimed:

1. A new and distinct cultivar of Double *Impatiens* plant named 'Cobimpto', as illustrated and described.

* * * * *

