



US00PP14203P29

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

(10) **Patent No.:** **US PP14,203 P2**

(45) **Date of Patent:** **Oct. 7, 2003**

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

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

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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.: **10/228,476**

(22) Filed: **Aug. 27, 2002**

(51) **Int. Cl.**⁷ **A01H 5/00**

(52) **U.S. Cl.** **Plt./318**

(58) **Field of Search** **Plt./318**

(56) **References Cited**

PUBLICATIONS

UPOV-ROM GTITM Computer Database 2003/01, GTI
Jouve Retrieval Software, Citation for 'Duepettipi'.*

* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of New Guinea Impatiens plant
named 'Duepettipi', characterized by its upright, rounded
and uniform plant habit; freely branching and freely flow-
ering habit; light red purple-colored flowers that are posi-
tioned above and beyond the leaves; and dark green-colored
leaves.

1 Drawing Sheet

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Botanical classification/cultivar denomination: *Impatiens*
hawkeri cultivar Duepettipi.

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct culti-
var of New Guinea Impatiens plant, botanically known as
Impatiens hawkeri, and hereinafter referred to by the name
'Duepettipi'.

The new Impatiens is a product of a planned breeding
program conducted by the Inventor in Rheinberg, Germany.
The objective of the breeding program is to develop freely
branching New Guinea Impatiens cultivars that flower early
and have large flowers.

The new Impatiens originated from a cross-pollination
made by the Inventor in February, 1998 of two unidentified
proprietary selections of *Impatiens hawkeri*, not patented.
The cultivar Duepettipi was discovered and selected by the
Inventor as a flowering plant within the progeny of the stated
cross-pollination in a controlled environment in Rheinberg,
Germany in June, 2000.

Asexual reproduction of the new cultivar by terminal
cuttings taken in Rheinberg, Germany since June, 2000, has
shown that the unique features of this new Impatiens are
stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and
are determined to be the unique characteristics of 'Duepet-
tipi'. These characteristics in combination distinguish
'Duepettipi' as a new and distinct Impatiens cultivar:

1. Upright, rounded and uniform plant habit.
2. Freely branching and freely flowering habit.
3. Light red purple-colored flowers that are positioned
above and beyond the leaves.
4. Dark green-colored leaves.

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Plants of the new Impatiens differ primarily from plants of
the parent selections in flower color.

Plants of the new Impatiens can be compared to plants of
the cultivar Bonaire, disclosed in U.S. Plant Pat. No. 9,137.
In side-by-side comparisons conducted in Rheinberg,
Germany, plants of the new Impatiens differed from plants
of the cultivar Bonaire in the following characteristics:

1. Plants of the new Impatiens had slightly longer inter-
nodes than plants of the cultivar Bonaire.
2. Plants of the new Impatiens were more freely flowering
than plants of the cultivar Bonaire.
3. Plants of the new Impatiens had slightly smaller flowers
than plants of the cultivar Bonaire.
4. Flower color of plants of the new Impatiens was more
intense red purple than flower color of plants of the
cultivar Bonaire.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates 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
from the color values cited in the detailed botanical descrip-
tion which accurately describe the colors of the new Impa-
tiens.

The photograph comprises a side perspective view of a
typical flowering plant of 'Duepettipi' grown in a container.

DETAILED BOTANICAL DESCRIPTION

The cultivar Duepettipi 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.

The aforementioned photograph and following observa-
tions and measurements describe plants grown in Rheinberg,

Germany during the spring, under commercial practice in a glass-covered greenhouse. Plants were about 16 weeks from cuttings and were grown in 12-cm containers. During the production of the plants, day and night temperatures averaged 18° C. and light levels were about 4,500 lux.

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 hawkeri* cultivar Duepettipi.

Parentage:

Female parent.—Unidentified proprietary selection of *Impatiens hawkeri*, not patented.

Male parent.—Unidentified proprietary selection of *Impatiens hawkeri*, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—Summer: About 7 days at 22° C.

Winter: About 10 days at 22° C.

Time to produce a rooted cutting.—Summer: About 18 days at 22° C. Winter: About 25 days at 22° C.

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

Rooting habit.—Freely branching.

Plant description:

General appearance.—Upright, rounded and uniform plant growth habit; freely branching and flowering habit. Moderately vigorous.

Crop time.—From unrooted cuttings, about 16 weeks are required to produce finished flowering plants in 12-cm containers.

Plant height.—About 18 cm.

Plant diameter or spread.—About 40 cm.

Lateral branches.—Quantity per plant: About eight.

Length: About 13.5 cm. Diameter: About 8 mm.

Internode length: About 3.5 cm. Color: 59A.

Foliage description.—Arrangement: Opposite or in whorls. Length: About 12.1 cm. Width: About 3.7 cm. Shape: Ovate. Apex: Apiculate. Base: Obtuse. Margin: Serrulate with ciliation. Texture, upper and lower surfaces: Smooth, glabrous; leathery. Venation pattern: Pinnate. Color: Young and fully expanded foliage, upper surface: 139A. Young and fully expanded foliage, lower surface: 147B. Venation, upper surface: 144B. Venation, lower surface: 59A.

Petiole.—Length: About 2.3 cm. Diameter: About 3 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 53A.

Flower description:

Flower type and flowering habit.—Single light red purple-colored flowers. Freely and continuously

flowering; usually about eight flowers and flower buds per lateral branch. Flowers positioned above and beyond the foliage and typically face upward or outward. Petals self-cleaning; gynoecium persistent. Flowers not fragrant.

Flower longevity.—Flowers last about three days on the plant.

Flowering season.—Year-round under greenhouse conditions; in the garden, flowering from spring until fall. Plants begin flowering about eight weeks after planting.

Flower buds.—Length: About 1.7 cm. Diameter: About 1.2 cm. Shape: Ovoid. Color: 187A.

Flower diameter.—About 5.5 by 6 cm.

Flower depth.—About 7 mm.

Flower shape.—Rounded; flat.

Petals.—Quantity: Five per flower, imbricate. Length: About 3.3 cm. Width: About 4.2 cm. Shape: Obcordate. Apex: Emarginate, lobed. Base: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth; satiny. Color: When opening and fully opened, upper surface: Mostly 60B; towards the margins, 58C; color fading to 58C with subsequent development. When opening and fully opened, lower surface: 58D.

Spur.—Quantity: One per flower. Length: About 5.4 cm. Diameter: At apex: Less than 1 mm. At flower: About 2.5 mm. Aspect: Curved downward. Color: 53A.

Peduncles.—Length: About 5.8 cm. Diameter: About 1 mm. Strength: Moderately strong; flexible. Color: 60A.

Reproductive organs.—Androecium: Stamen quantity/arrangement: Five fused at anthers, hooded; filaments free. Anther length: About 5 mm. Anther shape: Oval. Anther color: 60B. Pollen amount: Abundant. Pollen color: 11D. Gynoecium: Pistil quantity: One per flower. Pistil length: About 5 mm. Stigma color: 61A. Style length: Less than 1 mm. Style color: 145D. Ovary arrangement: Five-celled. Ovary color: 146A.

Seeds/fruits.—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*.

Temperature tolerance: Plants of the new *Impatiens* have been observed to be tolerant to temperatures ranging from 8 to 35° C.

It is claimed:

1. A new and distinct cultivar of New Guinea *Impatiens* plant named 'Duepettipi', as illustrated and described.

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