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Dümmen

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

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

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

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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 and distinct cultivar of New Guinea Impatiens plant
named 'Duepetneni', characterized by its large purple red-
colored flowers; freely flowering habit with flowers posi-
tioned above the foliage; upright, mounded, and freely
branching plant habit; and dark green leaves.

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(51) **Int. Cl.**⁷ **A01H 5/00**

1 Drawing Sheet

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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 cultivar
name Duepetneni.

The new Impatiens is a product of a planned breeding
program conducted by the Inventor in Rheinberg, Germany.
The objective of the breeding program was to develop new
New Guinea Impatiens cultivars with large flowers and
interesting flower and foliage colors.

The new Impatiens originated from a cross made by the
Inventor of the *Impatiens hawkeri* selection identified as D5,
not patented, as the male, or pollen parent, with the *Impa-
tiens hawkeri* selection identified as K20, not patented, as
the female, or seed parent. The cultivar Duepetneni was
discovered and selected by the Inventor as a flowering plant
within the progeny of the stated cross in a controlled
environment in Rheinberg, Germany.

Plants of the new Impatiens differ from plants of the male
parent, the selection D5, in foliage and flower color. Plants
of the new Impatiens differ from plants of the female parent,
the selection K20, in growth habit and vigor.

Plants of the new Impatiens can be compared to plants of
the Impatiens cultivar Duerineon, not patented. In side-by-
side comparisons conducted by the Inventor in Rheinberg,
Germany, plants of the new Impatiens were more compact,
flowered earlier and differed in flower color compared to
plants of the cultivar Duerineon.

Asexual reproduction of the new cultivar by terminal
cuttings taken at Rheinberg, Germany, has shown that the
unique features of this new Impatiens are stable and repro-
duced 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-
neni'. These characteristics in combination distinguish
'Duepetneni' as a new and distinct cultivar:

1. Large purple red-colored flowers.
2. Freely flowering habit.
3. Flowers positioned above the foliage.

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4. Upright and mounded plant habit.
5. Freely branching habit.
6. Dark green leaves.

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
slightly from the color values cited in the detailed botanical
description which more accurately describe the actual colors
of the new Impatiens. The photograph comprises a side
perspective view of a typical flowering plant of 'Duepet-
neni'.

DETAILED BOTANICAL DESCRIPTION

The cultivar Duepetneni 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, following obser-
vations and measurements describe plants grown in
Rheinberg, Germany, under commercial practice in a glass-
covered greenhouse with day and night temperatures about
18° C. and light levels generally about 4,500 lux. Plants used
in the photograph and description were about 12 to 14 weeks
old.

In the following description, color references are made to
The Royal Horticultural Society Colour Chart except where
general terms of ordinary dictionary significance are used.

Botanical classification: *Impatiens hawkeri* cultivar Duepet-
neni.

Parentage:

Male parent.—*Impatiens hawkeri* selection identified
as D5, not patented.

Female parent.—*Impatiens hawkeri* selection identi-
fied as K20, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—Summer: About 10 days at 22°
C. Winter: About 12 days at 22° C.

Time to produce a rooted cutting or liner.—Summer: About 21 days at 22° C. Winter: About 24 days at 22° C.

Rooting habit.—Numerous, freely branching and thick.

Plant description:

General appearance.—Upright and mounded. Appropriate for 10 to 15-cm containers.

Growth and branching habit.—Very freely branching with about 26 lateral branches at the base, dense and bushy growth. Pinching, that is, removal of the terminal apices, is typically not required. Low to moderate growth rate.

Crop time.—From an unrooted cutting, about 12 to 14 weeks are required to produce a finished flowering plant in a 11-cm container.

Plant height.—About 16.5 cm.

Plant spread.—About 25 cm.

Lateral branches.—Length: About 6 cm. Diameter: About 5.2 mm. Internode length: About 2.6 cm. Color: 53A.

Foliage description.—Arrangement: Alternate or in whorls, simple. Quantity of leaves per lateral branch: About 8. Length: About 8.5 cm. Width: About 3.3 cm. Shape: Elliptic. Apex: Apiculate. Base: Attenuate. Margin: Serrulate with ciliation. Texture: Leathery. Color: Young foliage, upper surface: 139A. Young foliage, lower surface: 147B. Fully expanded foliage, upper surface: 136A to 139A. Fully expanded foliage, lower surface: 185A to 185B. Venation, upper surface: Between 185A and 185B. Venation, lower surface: 185A. Petiole: Length: About 1.4 cm. Diameter: About 2.6 mm. Color: 183A.

Flower description:

Flower type and flowering habit.—Large single purple red flowers; freely flowering. Usually about 3 to 5 flowers and flower buds per lateral branch and about 100 flowers and flower buds on a mature plant.

Flowers positioned above the foliage and typically face outward to upward. Flowers generally flat and rounded. Flowers last about 14 days on the plant depending on temperature and weather conditions. Flowers self-cleaning. Flowers not fragrant.

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

Flower diameter.—About 5.9 cm.

Flower depth.—About 3 cm.

Flower buds.—Rate of opening: From showing color to fully open flower, typically about 2 to 3 days depending on temperature. Length: About 1.8 cm. Diameter: About 1.1 cm. Shape: Ovoid. Color: 185B.

Petals.—Quantity: Single, five per flower. Length: About 3.1 cm. Width: About 3.4 cm. Shape: Obcordate. Apex: Emarginate to cordate. Base: Acute. Margin: Entire. Texture: Smooth; shiny. Color: When opening, upper surface: 53C; center, 74A. When opening, lower surface: Between 58A and 58B. Fully opened, upper surface: 53C; center, 74A. Fully opened, lower surface: 58A.

Spur.—Length: About 5.1 cm. Color: 185A.

Peduncles.—Length: About 3.8 cm. Strength: Strong. Aspect: Upright to angled outwardly. Color: 183C.

Reproductive organs.—Androecium: Stamen number: 5. Anther shape: Oval. Anther size: About 4.8 mm. Anther color: 59B. Amount of pollen: Abundant. Pollen color: 157B to 157C. Gynoecium: Pistil length: About 6 mm. Stigma color: 147A. Ovary color: 146B.

Disease resistance: Resistance to known pathogens of New Guinea Impatiens has not been observed.

Seed development: Seed production has not been observed.

It is claimed:

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

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