



US00PP12747P2

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

(10) **Patent No.:** **US PP12,747 P2**

(45) **Date of Patent:** **Jul. 2, 2002**

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

(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 'Dueried', characterized by its large dark red-
colored flowers; freely flowering habit with flowers posi-
tioned above the foliage; upright, mounded, densely foliated
and freely branching plant habit; and dark green leaves.

(21) **Appl. No.:** **09/512,630**

(22) **Filed:** **Feb. 25, 2000**

(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 Dueried.

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 D7,
not patented, as the male, or pollen parent, with the *Impa-
tiens hawkeri* selection identified as K29, not patented, as
the female, or seed parent. The cultivar Dueried 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
D7, in flower and foliage color. Plants of the new Impatiens
differ from plants of the female parent, the selection K29, in
flower size and color.

Plants of the new Impatiens can be compared to plants of
the Impatiens cultivar Duepetred, not patented. In side-by-
side comparisons conducted by the Inventor in Rheinberg,
Germany, plants of the new Impatiens flowered more uni-
formly and were lighter red in flower color compared to
plants of the cultivar Duepetred.

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 'Dueried'.
These characteristics in combination distinguish 'Dueried'
as a new and distinct cultivar:

1. Large dark 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; densely foliated.

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 'Dueried'.

DETAILED BOTANICAL DESCRIPTION

The cultivar Dueried 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 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 Duer-
ied.

Parentage:

Male parent.—*Impatiens hawkeri* selection identified
as D7, not patented.

Female parent.—*Impatiens hawkeri* selection identi-
fied as K29, 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 20 lateral branches at the base, dense and bushy growth. Pinching, that is, removal of the terminal apices, is typically not required. Moderate growth rate.

Crop time.—From an unrooted cutting, about 14 weeks are required to produce a finished flowering plant in a 12 or 13-cm container.

Plant height.—About 18 cm.

Plant spread.—About 29 cm.

Lateral branches.—Length: About 9.5 cm. Diameter: About 4.8 mm. Internode length: About 3 cm. Color: 53A.

Foliage description.—Leaves abundant, densely foliated. Arrangement: Alternate or in whorls, simple. Quantity of leaves per lateral branch: About 18. Length: About 8.1 cm. Width: About 3.3 cm. Shape: Elliptic. Apex: Apiculate. Base: Attenuate. Margin: Serrulate with ciliation. Texture: Rugose; pubescence on lower surface. Color: Young foliage, upper surface: 139A. Young foliage, lower surface: 139B. Fully expanded foliage, upper surface: 131A. Fully expanded foliage, lower surface: 139B. Venation, upper surface: 132B towards apex; 59B towards base. Venation, lower surface: 59B. Petiole: Length: About 1 cm. Diameter: About 2.4 mm. Color: 59B.

Flower description:

Flower type and flowering habit.—Large single dark red flowers; freely flowering. Usually about 5 flowers and flower buds per lateral branch and about 80

flowers and flower buds on a mature plant. Flowers positioned above the foliage and typically face outward to upward. Flowers generally flat and rounded to orbicular. Flowers last about 10 to 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 5.4 cm.

Flower depth.—About 2.7 cm.

Flower buds.—Rate of opening: From showing color to fully open flower, typically about 2 to 3 days depending on temperature. Length: About 1.2 cm. Diameter: About 9 mm. Shape: Ovoid. Color: 53A.

Petals.—Quantity: Single, five per flower. Length: About 2.6 cm. Width: About 3.3 cm. Shape: Obcordate. Apex: Emarginate to cordate. Base: Acute. Margin: Entire. Texture: Smooth; shiny. Color: When opening, upper surface: 46A. When opening, lower surface: 53B. Fully opened, upper surface: 46A. Fully opened, lower surface: 53B.

Spur.—Length: About 4.8 cm. Color: 59A.

Peduncles.—Length: About 3.4 cm. Strength: Strong. Aspect: Upright to angled outwardly. Color: 59A.

Reproductive organs.—Androecium: Stamen number: 5. Anther shape: Oval. Anther size: About 5 mm. Anther color: 45B. Amount of pollen: Moderate. Pollen color: 158A. Gynoecium: Pistil length: About 6.8 mm. Stigma color: 148A. Ovary color: 137C.

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 'Duerired', as illustrated and described.

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