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

(10) **Patent No.:** **US PP18,325 P2**  
(45) **Date of Patent:** **Dec. 18, 2007**

(54) **NEW GUINEA *IMPATIENS* PLANT NAMED  
'GRÜNEU 23'**

(51) **Int. Cl.**  
**A01H 5/00** (2006.01)

(50) Latin Name: *Impatiens hawkeri*  
Varietal Denomination: **GrüNeu 23**

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

(58) **Field of Classification Search** ..... Plt./318  
See application file for complete search history.

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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**

'GrüNeu 23' is a new variety of New Guinea *Impatiens* that  
exhibits violet-pink colored flowers.

(21) Appl. No.: **11/480,098**

(22) Filed: **Jun. 30, 2006**

**1 Drawing Sheet**

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Botanical classification: *Impatiens hawkeri*.  
Varietal denomination: 'GrüNeu 23'.

**BACKGROUND OF THE INVENTION**

The present invention comprises a new and distinct cul-  
tivar of *Impatiens hawkeri* known by the varietal name 'Gr  
üNeu 23'. The new variety was discovered in The Nether-  
lands. The new variety is a result of cross breeding Seedling  
#1-27 (female parent) (unpatented) and Seedling #2-07  
(male parent) (unpatented). The purpose of the breeding  
program was to develop a cultivar that exhibited large  
flowers. The new variety is similar in flower color to its  
parents, but differs in growing habit and flower size. The  
new variety was first asexually reproduced by vegetative  
propagation by cutting in The Netherlands. The new variety  
has been trial and field tested and has been found to retain  
its distinctive characteristics and remain true to type through  
successive asexual propagations. Characteristics that distin-  
guish the new variety from others known to the breeder  
include:

Flower color;  
Growing habit; and  
Flower size.

The new variety was grown in a 11–21 cm container in  
The Netherlands. The new variety initiates roots in 8 days at  
16° C. A rooted plant is produced in 21 days at average  
temperatures of 16–21° C. Its rooting habit is round and  
freely branching.

**DESCRIPTION OF THE DRAWING**

The accompanying photographic drawing illustrates the  
new variety, with the color being as nearly true as is possible  
with color illustrations of this type.

**DESCRIPTION OF THE PLANT**

The following detailed description sets forth the charac-  
teristics of the new cultivar. The data which defines these  
characteristics were collected by asexual reproductions car-  
ried out in The Netherlands. The color readings were taken  
indoors in a greenhouse on a sunny day. The new variety was

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sixteen weeks old from rooting and fully flowering when  
described. Color references are primarily to The R.H.S.  
Colour Chart of The Royal Horticultural Society of London  
(2001).

**PLANT**

Form: Free and symmetrical.  
Height (from soil to top of flowers): 16–19.5 cm.  
Plant diameter: 28–32 cm.  
Vigor: Upright.  
Branching habit: Free.  
Lateral branches:  
    *Color*.—60A.  
    *Texture*.—Smooth.  
    *Length*.—15–18 cm.  
    *Diameter*.—4–10 mm.  
    *Internode length*.—1.3–2 cm.  
    *Strength*.—Strong.  
    *Quantity*.—14–17.  
Foliage:  
    *Arrangement*.—Primarily in whorls.  
    *Number of leaves per stem*.—10–12.  
    *Size of leaf*.—Length: 8.5 cm. Width: 3.6 cm.  
    *Shape of leaf (generally)*.—Lanceolate.  
    *Shape of apex*.—Caudate and acuminate.  
    *Shape of base*.—Acute.  
    *Texture*.—Glabrous.  
    *Aspect*.—Upward and outward.  
    *Margin type*.—Slightly serrated.  
    *Fragrance*.—None.  
    *Color*.—Young leaves: Upper surface: 135B. Lower  
        surface: 176B. Mature leaves: Upper surface:  
        N135B. Lower surface: 176B.  
    *Petiole*.—Length: 6–8 mm. Diameter: 2.5 mm. Color:  
        60A. Texture: Glabrous.  
    *Veins*.—Color: Upper surface: 141A. Lower surface:  
        60B.

**FLOWER**

Natural flowering season at specified locations: Usually  
from March to October, depending on light intensity.

Flower type and habit: Single.  
 Number of flowers per plant: 20–24.  
 Fragrance: None.  
 Flower height: 5–10 mm.  
 Flower diameter: 80 mm.

## Bud:

*Shape*.—Ovoid.  
*Diameter*.—10 mm.  
*Length*.—20 mm.  
*Color*.—46A.

## Petals:

*Arrangement*.—Whorl.  
*Quantity*.—5.  
*Length*.—Banner petal: 35 mm. Lateral: 35 mm. Base: 35 mm.  
*Width*.—Banner petal: 50 mm. Lateral: 45 mm. Base: 45 mm.  
*Shape*.—Cordate.  
*Apex*.—Rotundate.  
*Base*.—Cuneate.  
*Margin*.—Entire.  
*Texture*.—Smooth and glabrous.  
*Color*.—When opening: Banner, base and lateral petals: Upper surface: 73C. Lower surface: 73D. Fully opened: Banner, base and lateral petals: Upper surface: 73C. Lower surface: 73D.

## Spur:

*Quantity*.—1.  
*Length*.—50 mm.  
*Diameter at apex*.—0.5–1 mm.  
*Diameter at flower*.—2 mm.  
*Aspect*.—Round.  
*Color*.—60B.

## Peduncles:

*Length*.—4.7 cm.  
*Diameter*.—2.8 mm.  
*Color*.—176C.  
*Texture*.—Glabrous.  
*Orientation*.—Upright.  
*Strength*.—Average.

Weather tolerance: +5–+45° C.

## Lasting quality:

*On plant*.—3–4 days.  
*Of cut flowers*.—1 day.

Seed production and description: Not applicable.

Fruit production and description: Not applicable.

## REPRODUCTIVE ORGANS

## Stamens:

*Number (per flower)*.—1.  
*Filament length*.—6–8 mm.  
*Anthers*.—Shape: Round. Length: 3–4 mm. Color: 58A.  
*pollen*.—Color: 69A/B. Amount: Average.

## Pistils:

*Length*.—6–7 mm.  
*Styles*.—Length: 1–2 mm. Color: 60B.  
*Stigma*.—Shape: Round. Color: 60C. Ovary color: 60A.

## I claim:

1. A new and distinct variety of New Guinea *Impatiens* plant named ‘GrüNeu 23’ as is herein described and illustrated.

\* \* \* \* \*



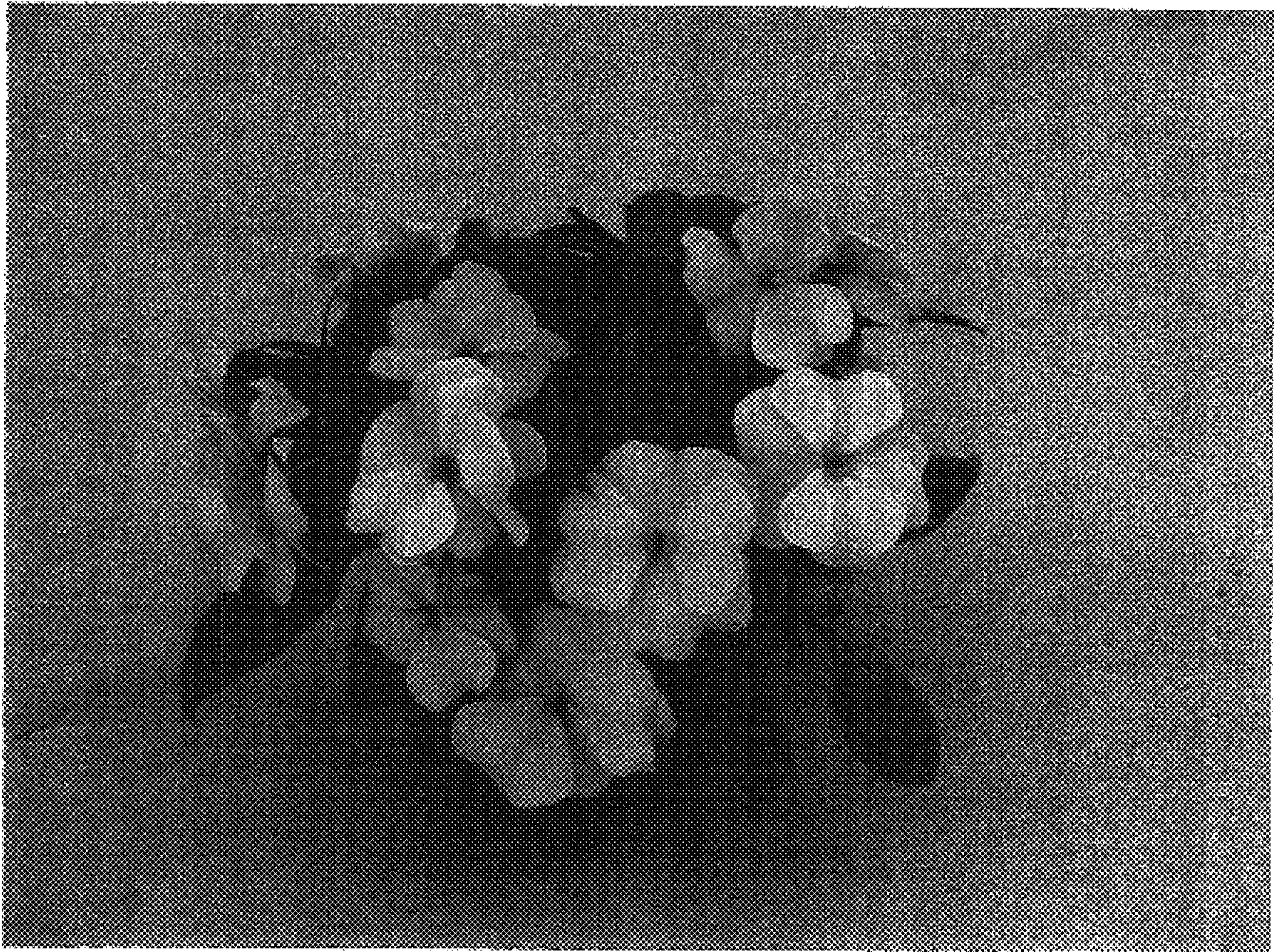


Fig. 1



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : PP 18,325 P2  
APPLICATION NO. : 11/480098  
DATED : December 18, 2007  
INVENTOR(S) : Schræder

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page, See Item (75) Inventor, "Ralf Schræder" should read -- Ralf Schræder --

Signed and Sealed this

Seventeenth Day of June, 2008

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large, looped initial "J" and a distinct "D" at the end.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*