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

(10) **Patent No.:** **US PP18,326 P2**

(45) **Date of Patent:** **Dec. 18, 2007**

(54) **NEW GUINEA IMPATIENS PLANT NAMED**  
**‘GRÜNEU 21’**

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

(50) Latin Name: *Impatiens hawkeri*  
Varietal Denomination: **GrüNeu 21**

(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 21’ is a new variety of New Guinea *Impatiens* that exhibits rich purple colored flowers.

(21) Appl. No.: **11/479,875**

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

**1 Drawing Sheet**

**1**

**2**

Botanical classification: *Impatiens hawkeri*.  
Varietal denomination: ‘GrüNeu 21’.

described. Color references are primarily to The R.H.S. Colour Chart of The Royal Horticultural Society of London (2001).

**BACKGROUND OF THE INVENTION**

**PLANT**

The present invention comprises a new and distinct cultivar of *Impatiens hawkeri* known by the varietal name ‘GrüNeu 21’. The new variety was discovered in The Netherlands. The new variety is a result of cross breeding Seedling No.#2-28 (female parent) (unpatented) and Seedling No.#1-38 (male parent) (unpatented). The purpose of the breeding program was to develop a cultivar that had an improved growing habit over existing varieties. The new variety is similar in flower color to its parents, but differs in growth habit. The new variety was first asexually reproduced by vegetative propagation through 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 distinguish the new variety from others known to the breeder include:

Form: Free and symmetrical.  
Height (from soil to top of flowers): 15–18 cm.  
Plant diameter: 25–30 cm.  
Vigor: Upright.  
Branching habit: Free.  
Lateral branches:  
*Color*.—60A.  
*Texture*.—Smooth.  
*Length*.—13–15 cm.  
*Diameter*.—4–10 cm.  
*Internode length*.—1.5–3 cm.  
*Strength*.—Strong.  
*Quantity*.—16–18.

Flower color; and  
Growth habit.

**Foliage:**  
*Arrangement*.—Primarily in whorls.  
*Number of leaves per stem*.—8–10.  
*Size of leaf*.—Length: 8 cm. Width: 3.3 cm.  
*Shape of leaf (generally)*.—Elliptic.  
*Shape of apex*.—Caudate and acuminate.  
*Shape of base*.—Acute.  
*Texture*.—Glabrous.  
*Aspect*.—Upward and outward.  
*Margin type*.—Slightly serrated.  
*Fragrance*.—None.

The new variety was grown in a 11–13 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.

*Color*.—Young leaves: Upper surface: N134A. Lower surface: 174A. Mature leaves: Upper surface: N134A. Lower surface: 174A.  
*Petiole*.—Length: 10–20 mm. Diameter: 2 mm. Color: 60A. Texture: Glabrous.  
*Veins*.—Color: Upper surface: 60A. Lower surface: 60B.

**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.

**FLOWER**

**DESCRIPTION OF THE PLANT**

The following detailed description sets forth the characteristics of the new cultivar. The data which defines these characteristics were collected by asexual reproductions carried out in The Netherlands. The color readings were taken indoors in a greenhouse on a sunny day. The new variety was sixteen weeks old from rooting and fully flowering when

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: 15–20.

Fragrance: None.

Flower height: 5–10 mm.

Flower diameter: 75 mm.

Bud:

*Shape*.—Ovoid.

*Diameter*.—11 mm.

*Length*.—20 mm.

*Color*.—N78A.

Petals:

*Arrangement*.—Whorl.

*Quantity*.—5.

*Length*.—Banner petal: 30 mm. Lateral: 30 mm. Base: 30 mm.

*Width*.—Banner petal: 30 mm. Lateral: 40 mm. Base: 40 mm.

*Shape*.—Cordate.

*Apex*.—Rotundate.

*Base*.—Cuneate.

*Margin*.—Entire.

*Texture*.—Smooth and glabrous.

*Color*.—When opening: Banner, base and lateral petals:

Upper surface: N74A. Lower surface: N74B. Fully

opened: Banner, base and lateral petals: Upper sur-

face: N74A. Lower surface: N74B.

Spur:

*Quantity*.—1.

*Length*.—50 mm.

*Diameter at apex*.—0.5–1 mm.

*Diameter at flower*.—2 mm.

*Aspect*.—Round.

*Color*.—60A.

Peduncles:

*Length*.—4.3 cm.

*Diameter*.—2.5 mm.

*Color*.—176C.

*Texture*.—Very little pubescence.

*Orientation*.—Upright.

*Strength*.—Medium.

Weather tolerance: +5–+45° C.

Lasting quality:

*On plant*.—6–8 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: 58C.

*Pollen*.—Color: 69A. Amount: Average.

Pistils:

*Length*.—6–7 mm.

*Styles*.—Length: 1–2 mm. Color: 60C.

*Stigma*.—Shape: Round. Color: 60C. Ovary color: N60A.

I claim:

1. A new and distinct variety of New Guinea *Impatiens* plant named 'GrüNeu 21' as is herein described and illustrated.

\* \* \* \* \*

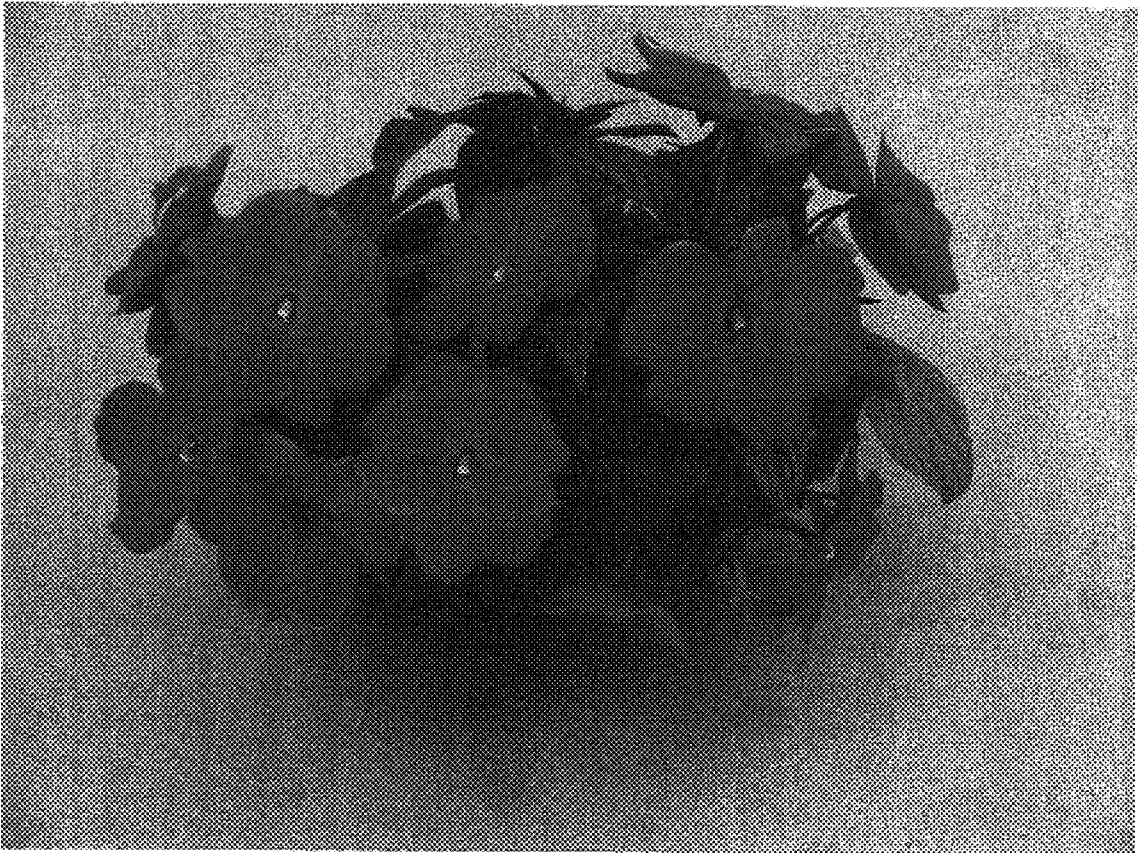


Fig. 1

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

PATENT NO. : PP 18,326 P2  
APPLICATION NO. : 11/479875  
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:

On the title page Item (75) Inventor, "Ralf Schræder" should read -- Ralf Schræder --

Signed and Sealed this

Seventeenth Day of June, 2008

A handwritten signature in black ink that reads "Jon W. Dudas". The signature is stylized, with the first name "Jon" written in a cursive-like font, followed by "W." and "Dudas" in a more upright, blocky script.

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