

US00PP18326P2

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

(10) **Patent No.:** **US PP18,326 P2**
(45) **Date of Patent:** **Dec. 18, 2007**

(54) **NEW GUINEA *IMPATIENS* PLANT NAMED**
‘GRUNEU 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

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

BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cul-
tivar 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 Seed-
ling 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 repro-
duced 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 propa-
gations. Characteristics that distinguish the new variety from
others known to the breeder include:

Flower color; and
Growth habit.

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.

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
sixteen weeks old from rooting and fully flowering when

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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): 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.
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.
 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.

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: 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 surface: 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.

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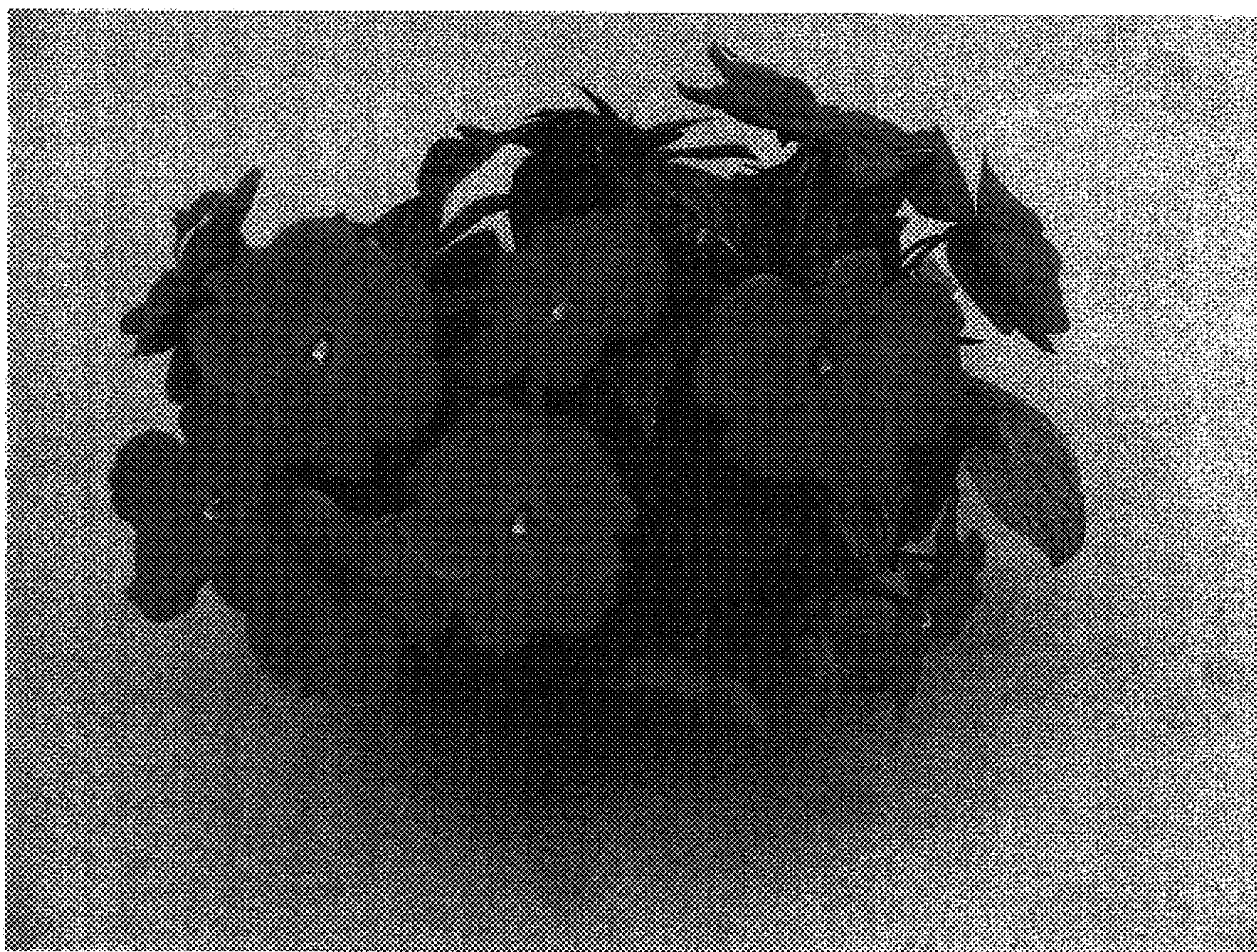


Fig. 1

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : PP 18,326 P2
APPLICATION NO. : 11/479875
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INVENTOR(S) : Schræder

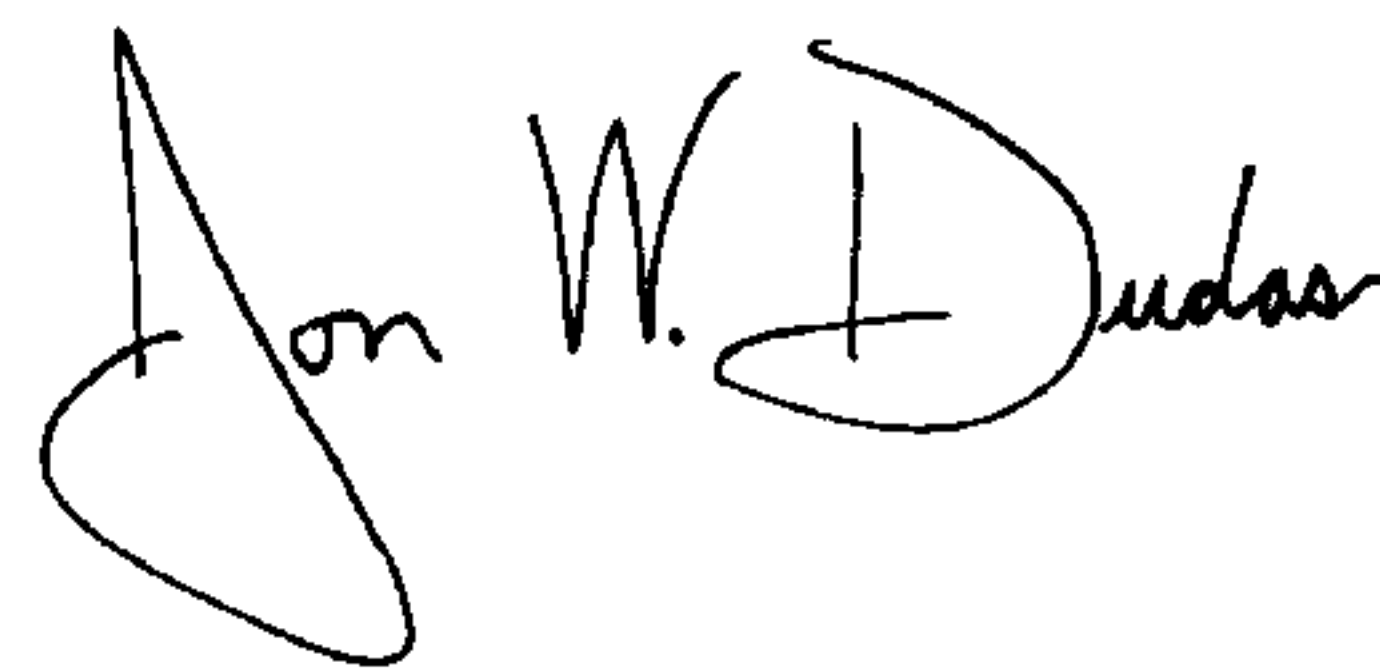
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

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, reading "Jon W. Dudas". The signature is stylized, with a large, looped initial "J" and a cursive "Dudas".

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