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Danziger

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(54) **NEW GUINEA *IMPATIENS* PLANT NAMED ‘DHARSDPINK’**

(50) Latin Name: *Impatiens hawkeri*
Varietal Denomination: **DHARSDPINK**

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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 98 days.

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(52) **U.S. Cl.**
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(58) **Field of Classification Search**
USPC Plt./317, 318.1, 318.5
See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct *Impatiens* cultivar named ‘DHARSDPINK’ is disclosed, characterized by large pink flowers, well branched plant form and good sun resistance. The new variety is an *Impatiens*, normally produced as an outdoor garden or container plant.

2 Drawing Sheets

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Latin name of the genus and species: *Impatiens hawkeri*.
Variety denomination: ‘DHARSDPINK’.

BACKGROUND OF THE INVENTION

The new cultivar is the product of chance discovery. The new variety originated as a naturally occurring branch mutation of the patented commercial variety *Impatiens* ‘DHAR318’ U.S. Plant Pat. No. 25,118.

The new variety was discovered in May of 2012 by the inventor Gavriel Danziger a citizen of Israel in a research greenhouse in Moshav Mishmar Hashiva, Israel.

Asexual reproduction of the new cultivar was performed by leaf cuttings. The cuttings are from an apical bud that has no more than two expanded leaves and three to four immature leaves present. This was first performed at a research greenhouse in Moshav Mishmar Hashiva, Israel in June of 2012 and has shown that the unique features of this cultivar are stable and reproduced true to type in multiple successive generations.

SUMMARY OF THE INVENTION

The cultivar ‘DHARSDPINK’ has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, day length, and light intensity, without, however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be the unique characteristics of ‘DHARSDPINK’ These characteristics in combination distinguish ‘DHARSDPINK’ as a new and distinct *Impatiens* cultivar:

1. Large flowers.
2. Pink flower color.
3. Well branched plants.
4. Distinctive resistance to sunny conditions.

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Plants of the new cultivar ‘DHARSDPINK’ are similar to plants of the parent, *Impatiens* ‘DHAR318’ in most horticultural characteristics, however, plants of the new cultivar ‘DHARSDPINK’ differ in the following;

1. The new variety has pink flowers while the parent has salmon colored flowers.
2. The new variety has smaller flowers than the parent.

COMMERCIAL COMPARISON

Plants of the new cultivar ‘DHARSDPINK’ are comparable to the unpatented commercial variety *Impatiens* ‘DHAR330’. The two *Impatiens* varieties are similar in most horticultural characteristics; however, the new variety ‘DHARSDPINK’ differs in the following:

1. Flower color of the new variety is darker.
2. Leaf color of the new variety is darker.
3. Growth habit of the new variety is more compact.

Plants of the new cultivar ‘DHARSDPINK’ can also be compared to the patented commercial variety *Impatiens* ‘SAKIMP013’ U.S. Plant Pat. No. 19,597. The two *Impatiens* varieties are similar in most horticultural characteristics; however, the new variety ‘DHARSDPINK’ differs in the following:

1. Flower color of the new variety is darker.
2. Flower size of the new variety is larger.
3. Leaf size of the new variety is larger.
4. Growth habit of the new variety is more vigorous.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photograph in FIG. 1 illustrates in full color a typical plant of ‘DHARSDPINK’ grown outdoors, in a 16 cm pot. Age of the plant photographed is approximately 14 weeks from a rooted cutting.

FIG. 2 illustrates a close up of the flowers and foliage. The photographs were taken using conventional techniques and although colors may appear different from actual colors due to light reflectance it is as accurate as possible by conventional photographic techniques.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to The Royal Horticultural Society Mini Colour Chart 2001 except where general terms of ordinary dictionary significance are used. The following observations and measurements describe 'DHARSDPINK' plants grown in the Autumn, in a greenhouse, in Moshav Mishmar Hashiva, Israel. The growing temperature ranged from 20° C. to 30° C. during the day and from 15° C. to 25° C. during the night. General light conditions are bright, normal sunlight. Measurements and numerical values represent averages of typical plant types.

Botanical classification: *Impatiens* 'DHARSDPINK'.

PROPAGATION

Type of propagation typically used: Vegetative cuttings.
Time to initiate roots: 10-14 days in Summer, 14-20 days in Winter.

Root description: Fibrous adventitious roots.

PLANT

Age of plant described: Approximately 14 weeks.

Container size of the plant described: 16 cm.

Growth habit: Mounded.

Height: 27-30 cm.

Plant spread: 40 cm.

Growth rate: Vigorous.

Branching characteristics: Very well branched.

Length of primary lateral branches: 20 cm.

Quantity of primary lateral branches: 5-10.

Characteristics of primary lateral branches:

Form.—Oval shape.

Diameter.—1 cm.

Color.—Near RHS Grey-Brown N199B.

Texture.—Smooth.

Strength.—Strong, very stable.

Internode length: 5 cm.

FOLIAGE

Leaf:

Arrangement.—Alternate.

Quantity.—Approximately 20-25 per branch.

Average length.—8 cm.

Average width.—4 cm.

Shape of blade.—Oblanceolate.

Apex.—Apiculate.

Base.—Acuminate.

Margin.—Ciliate.

Texture of top surface.—Smooth.

Texture of bottom surface.—Smooth.

Pubescence.—None.

Aspect.—Mainly flat, attached at approximately 45 degrees.

Color.—Young foliage upper side: Near RHS Green 138A. Young foliage under side: Near RHS Green

137D. Mature foliage upper side: Near RHS Green N137A. Mature foliage under side: Near RHS Yellow-green 148B.

Venation.—Type: Pinnate. Venation color upper side: Near RHS Red 51C. Venation color under side: Near RHS Greyed-red 180C.

Petiole.—Length: 1 cm. Diameter: 0.5 cm. Color: Near RHS Greyed-red 182C. Texture: Smooth.

FLOWER

Natural flowering season: Flowers at any day length. All year round in a greenhouse environment. Flowering is continuous from spring until fall in an outdoor garden.

Days to flowering from rooted cutting: 10 weeks.

Inflorescence and flower type and habit: Single flowers raised above the foliage. The corolla consists of five petals.

Rate of flower opening: 5 to 15 days from bud to fully opened flower.

Flower longevity on plant: 5-8 days.

Persistent or self-cleaning: Self-cleaning.

Bud:

Shape.—Ovate.

Length.—2 cm.

Diameter.—1.5 cm.

Color.—Near RHS Red-purple 63B.

Flower size:

Diameter.—7 cm.

Depth.—Approximately 2.4 cm, excluding spur.

Petals:

Quantity.—5.

Arrangement.—Overlapping.

Length.—4 cm.

Width.—4 cm.

Shape.—Obovate.

Apex.—Heart Shape.

Base.—Acute.

Margin.—Entire.

Texture, upper and lower surfaces.—Smooth.

Color.—When opening, upper surface: Near RHS Red 55A. When opening, lower surface: Near RHS Red 55B.

Fully opened, upper surface: Near RHS Red 55A. Fully opened, lower surface: Near RHS Red 55B.

Spurs:

Quantity per flower.—1.

Length.—5.5 cm.

Diameter.—0.2 cm.

Aspect.—Spur curvature 40°-45° from peduncle.

Color.—Towards base: Near RHS Red 53D. Apex: Near RHS Yellow-green 144B.

Sepals:

Quantity.—2.

Length.—1.5 cm.

Width.—1 cm.

Shape (overall).—Oblong. Apex: Caudate. Base: Rounded.

Margin.—Entire.

Texture, upper and lower surfaces.—Smooth.

Color.—Near RHS Yellow-green 146C.

Peduncles:

Length.—5.5 cm.

Diameter.—0.3 cm.

Angle.—About 45° to the lateral branch.
Strength.—Stable, flexible.
Texture.—Smooth.
Color.—Near RHS Yellow-green 144D.
 Fragrance: None.

REPRODUCTIVE ORGANS

Stamens: There are five stamens with anthers that are more or less fused and form a cap over the ovary.

Number.—5.

Anthers:

Shape.—Oblong.

Length.—Approximately 0.5 cm.

Color.—Near RHS Red-purple 63B.

Pollen.—Color: Near RHS White 155D. Quantity: Sparse.

Pistil:

Number.—1.

Length.—0.5 cm.

Style.—Length: 0.5 cm. Color: Near RHS Yellow-green 144A.

Stigma.—Shape: Round. Color: Near RHS White 155D. Ovary Color: Near RHS Yellow-green 144D.

OTHER CHARACTERISTICS

10 Seeds and fruits: 5-10 seeds per fruit.

Disease/pest resistance: Common to cultivar.

Temperature tolerance: Tolerant at 30° C. and tolerant at 5° C. degrees Celsius (grows best at 10° C.-28° C.)

What is claimed is:

15 1. A new and distinct cultivar of *Impatiens* plant named 'DHARSDPINK' as herein illustrated and described.

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Fig. 1

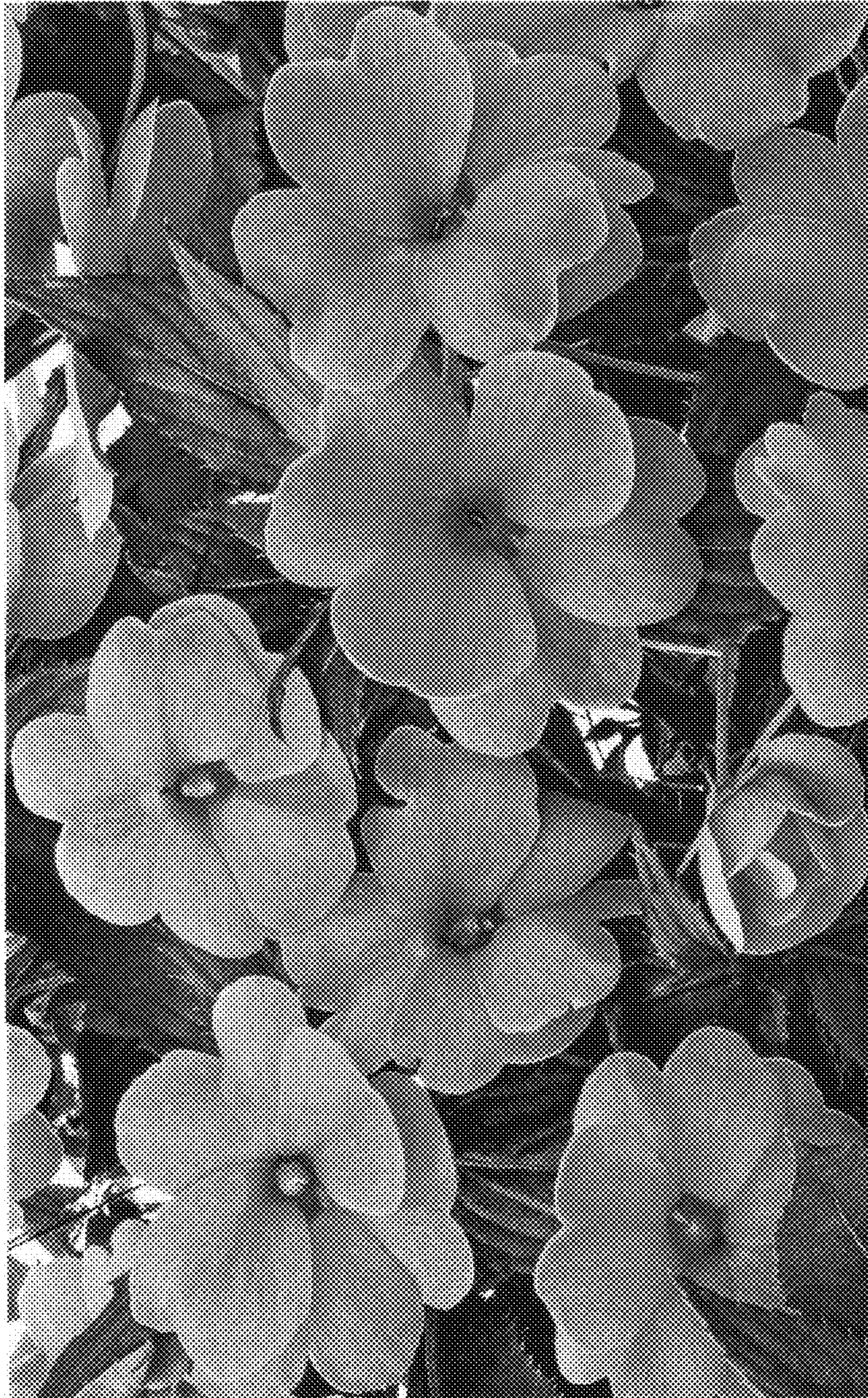


Fig. 2