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Danziger

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

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patent is extended or adjusted under 35
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(58) **Field of Search** **Plt./318**

(56) **References Cited**

U.S. PATENT DOCUMENTS

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(57) **ABSTRACT**

A new and distinct cultivar of Impatiens plant named
'Danhsarsal' characterized by having large, round, salmon-
colored flowers borne above the foliage, vigorous branching,
dark green foliage, and compact growth habit.

1 Drawing Sheet

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BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cul-
tivar of New Guinea Impatiens plant, botanically known as
Impatiens, and hereinafter referred to by the cultivar name
'Danhsarsal'.

'Danhsarsal' is a product of a planned breeding program
and was originated from a hybridization made by the inven-
tor, Gabriel Danziger, in a controlled breeding program in
Mishmar Hashiva, Israel, in 1997. The female parent was an
Impatiens cultivar designated A-331. The male parent was an
Impatiens cultivar designated E-341. Both parents are
proprietary cultivars used in the breeding program.

'Danhsarsal' was discovered and selected as a flowering
plant within the progeny of the stated cross by the inventor,
Gabriel Danziger, in 1998 in a controlled environment in
Mishmar Hashiva, Israel.

The first act of asexual reproduction of 'Danhsarsal' was
accomplished when vegetative cuttings were taken from the
initial selection in 1998 in a controlled environment in
Mishmar Hashiva, Israel by Gabriel Danziger. The cuttings
are apical cuttings. No more than two expanded leaves and
3-4 immature leaves are evident. Horticultural examination
of plants grown from these cuttings in Mishmar Hashiva,
Israel, has demonstrated that the combination of character-
istics as herein disclosed for the new cultivar are firmly fixed
and retained through successive generations of asexual
reproduction.

BRIEF DESCRIPTION OF THE INVENTION

The following traits have been repeatedly observed and
are determined to be basic characteristics of 'Danhsarsal'
which in combination distinguish this Impatiens as a new
and distinct cultivar:

1. Large, round, salmon-colored flowers borne above the
foliage;
2. Vigorous branching;
3. Dark green foliage; and
4. Compact growth habit.

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'Danhsarsal' has not been observed under all possible
environmental conditions. The phenotype of the new culti-
var may vary significantly with variations in environment
such as temperature, light intensity, and daylength without
any change in the genotype of the plant. The following
observations, measurements and values describe the new
cultivar as grown in Mishmar Hashiva, Israel under green-
house conditions which closely approximate those generally
used in commercial practice.

BRIEF DESCRIPTION OF THE DRAWING

The accompanying color photographic drawing shows
typical flower and foliage characteristics of 'Danhsarsal',
with colors being as true as possible with illustrations of this
type.

DETAILED BOTANICAL DESCRIPTION

The measurements were taken in Mishmar Hashiva,
Israel, and are based on plants grown from rooted cuttings
in a net-covered greenhouse during the summer at tempera-
tures of 35° C. maximum and 18° C. minimum. In the
following description, color references are made to The
Royal Horticultural Society Colour Chart (R.H.S.), except
where general colors of ordinary significance are used.

Species: *Impatiens hawkeri*.

Classification:

Botanical.—A hybrid of the genus Impatiens.

Commercial.—New Guinea Impatiens, cv. 'Danhsarsal'.

Plant:

General appearance and form.—Height: 15-20 cm.

Width: 25-30 cm. Habit: Plant shape is round and
compact. Branching: Vigorous in character. Flower-
ing response: 8-9 weeks after planting of rooted
cuttings. Flowering season: Throughout the entire
year, the instant plant is an annual plant, it grows in
partially shaded areas in temperatures of 10 C.-25 C.
degrees. Lasting quality of bloom: Open during the
lifetime of the plant lastingness of individual bloom
ranges between 5-10 days after anthesis. Propaga-

tion: Leaf-cutting. Rooting: Vigorous, roots initiate in 7–8 days at 25° C. and 8–9 days at 20° C. Stem: Length is 25–28 cm, diameter is 0.8–1 cm, internode length is 5–6 cm. Stem Color: RHS 181 A. Spur Color: RHS 60 B. Fragrance: Flowers have no fragrance.

Foliage.—Shape of leaf: Lanceolate base is acuminate, tip is attenuate. Margin: Serrated, displays ciliation. Texture: Smooth. Length of leaf: 9.5 cm. Width of leaf: 3 cm. Main color on upper surface: Mature leaf: RHS 147 A. Immature leaf: RHS 137 A. Main color on lower surface: Mature leaf: RHS 182 B. Immature leaf: RHS 197 C. Veination: Upper surface: One main, red vein RHS 63 A. Lower surface: One main, red vein RHS 63 A and red veinations (RHS 60 B) going from the main vein to the tip of the leaves.

Inflorescence:

Corolla.—Form: 5 petals per flower. Shape: Round. Average number: 20–25 flowers per mature plant (4 months old) at any given time. Size: 5.5–6.5 cm. Petal number: 5. Petal shape: The corolla consists of 5 petals, 4 are heart-shaped, the dorsal petal is free, the lateral petals are fused in pairs, the dorsal petal is wider than the lateral petals and is also heart-

shaped. Petal color: Upper surface: In summer when opening, petals are RHS 41 A, fading to RHS 43 C with a bright pink 'halo', RHS 65 C, concentrated in the flower center of the upper petal, with a diameter of 5 mm. Lower surface: RHS 43 C.

Bud.—Color: 52 A. Response: 6–7 weeks after planting of rooted cuttings, developing into open flowers approximately two weeks later. Size before opening: 2–2.5 cm. Aspect: Stands above pedicel and has a spur 4 cm long. Pedicel length: 3.5–4 cm. Pedicel color 178 B.

Reproductive organs.—Stamens: 1. Anthers: Round, light-red in color. Pollen: White. Stigma: Round, nearly white in color. Ovary: Four-celled, 1 mm in length, light green in color.

Disease resistance: This variety is not distinctively resistant or susceptible to plant disease.

Fruit seeds: The plant produces fruit and seeds; fruit is an explosive capsule, seeds are smooth, 1 mm width, 2–3 mm length, elliptic shape.

I claim:

1. A new and distinct cultivar of Impatiens plant named 'Danharsal', as illustrated and described herein.

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