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# United States Patent [19]

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Dehan

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[54] IMPATIENS PLANT NAMED BLUES

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[57] ABSTRACT

[73] Assignee: Danziger - "Dan" Flower Farm, Moshav Mishmar Hashiva, Israel

A distinct cultivar of Impatiens plant named Blues, characterized by its medium-sized, round light pink flowers; compact and freely branched growth habit; moderate growth rate; and dark green and glossy non-variegated foliage.

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[51] Int. Cl.<sup>6</sup> ..... A01H 5/00

[52] U.S. Cl. .... Plt./87.6

[58] Field of Search ..... Plt. 87.6

1 Drawing Sheet

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The present invention relates to a new and distinctive cultivar of New Guinea Impatiens, botanically known as *Impatiens hawkeri*, and hereinafter referred to by the cultivar name Blues.

The new cultivar was developed by me in a controlled breeding program at Danziger—"Dan" Flower Farm, Mishmar Hashiva, Israel, by crossing the female, or seed, parent identified as *Impatiens hawkeri* selection DAN H-279 with the male, or pollen, parent identified as *Impatiens hawkeri* selection DAN 206-P. Both parents are nonpatented selections developed by me in a controlled breeding program and used only as breeding parents.

Asexual reproduction of the new cultivar by terminal cuttings taken by me at Mishmar Hashiva, Israel, has shown that the combination of features of this new Impatiens are firmly fixed and retained through successive generations of asexual reproduction.

The following characteristics are repeatedly observed and are determined to be the distinctive and unique characteristics of Blues. These characteristics in combination distinguish Blues from both its parent varieties and other cultivated New Guinea Impatiens used in the floriculture industry:

1. Medium-sized, round light pink flowers.
2. Compact growth habit.
3. Freely branching habit.
4. Moderate growth rate.
5. Dark green and glossy non-variegated foliage.

The new cultivar is most similar to the patented *Impatiens hawkeri* cultivar Delias (U.S. Plant Pat. No. 7,838) in flower color. However Blues differs from Delias in its lighter pink flower color, smaller flower size, and more compact growth habit compared to Delias.

The accompanying colored photograph illustrates the overall appearance and flower color of the new cultivar, showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. The photograph constitutes a top perspective view of a typical potted plant of Blues.

In the following description, color references are made to The Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used. The following observations, measurements and comparisons describe plants grown in Mishmar Hashiva, Israel, under normal commercial practice in a polyethylene-covered greenhouse with minimum night temperatures of 12° to 14° C. during the winter and maximum temperatures of 35° C. during the

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summer. Average light levels in the greenhouse in 40,000 lux. Blues has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity and daylength.

Botanical classification: *Impatiens hawkeri* cultivar Blues.

Parentage:

Female (seed) parent.—*Impatiens hawkeri* DAN H-279.

Male (pollen) parent.—*Impatiens hawkeri* DAN 206-P.

Propagation:

- A. Type.—Terminal tip cuttings.
- B. Time to initiate roots.—1. Summer: 8 days at 25° C. 2. Winter: 9 days at 20° C.
- C. Rooting habit.—Fibrous and well-branched.

Plant description:

- A. General appearance.—Freely branching and compact growth habit; suitable for 10 cm pots.
- B. Foliage description.—1. Shape: Lanceolate with acuminate tip and attenuate base. 2. Size: a. Length: 8 cm. b. Width: 3 cm. 3. Texture: Smooth and very glossy. 4. Margin: Finely serrated. 5. Color: a. Young foliage, upper surface: 137A. b. Young foliage, under surface: 138C. c. Mature foliage, upper surface: 137A. d. Mature foliage, under surface: 138B. e. Veins, upper surface: 137A. f. Veins, under surface: 138B.
- C. Stem description.—1. Internode length: 4.5 cm. 2. Stem color: 138A.

Flowering description:

- A. Flowering habit.—Freely flowering.
- B. Natural flowering season.—Year-round. Early flowering: under summer conditions, plants flower 8 to 9 weeks after planting; and under winter conditions, plants flower 12 to 13 weeks after planting.
- C. Flower borne.—Flower buds develop in leaf axils. Open flowers are displayed above the foliage.
- D. Quantity of inflorescence.—Very floriferous; usually 3 to 4 flowers per axil and about 12 flowers per lateral branch at various stages of development; usually 2 to 3 fully open flowers per lateral branch.

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E. *Flower opening rate*.—From bud initiation, flowers are fully open after 5 to 10 days depending on temperature, humidity and light level.

F. *Flower size*.—1. Length: 4.5 cm. 2. Width: 4.5 cm.

G. *Petals*.—1. Shape: Cordate. 2. Quantity: 5. 3. Color: a. When opening: 55B. b. Upper surface: 55C. c. Under surface; 55D. d. Fading to: 55D.

H. *Flower bud*.—1. Shape: Round with spur. 2. Color: 39B.

I. *Spur*.—1. Shape: Needle-shaped, curved at end. 2. Color: 53A. 3. Length: a. On flower bud: 3.3 cm. b. On open flower: 4.9 cm.

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J. *Reproductive organs*.—1. Androecium: a. Stamen number: 5. b. Anther shape: Oblong. c. Anther color: 26C. d. Pollen color: 11D. 2. Gynoecium: a. Stigma color: 137A. b. Style color: 137A. c. Ovary: Superior, 5-celled. d. Ovary color: 137A. e. Ovary size: 1 to 2 mm.

Disease resistance: No fungal or bacterial problems observed.

Seed development: Seed production is very rarely observed.

I claim:

1. A new and distinct cultivar of *Impatiens* plant named Blues, as illustrated and described.

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