

[54] AFRICAN VIOLET PLANT NAMED DEBBY

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[57] ABSTRACT

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A new and distinct cultivar of African violet named Debby is provided. This cultivar exhibits a compact miniature rosette growth habit, dark green pubescent foliage, and forms in abundance on upright peduncles attractive single flowers of deep violet-blue coloration having no or very weak petal undulation. The plant advantageously has a very floriferous habit with the flowering continuing for many weeks following its onset.

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[58] Field of Search Plt./69

Primary Examiner—James R. Feyrer

1 Drawing Sheet

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SUMMARY OF THE INVENTION

The present invention comprises a new and distinct cultivar of African violet plant, botanically known as *Saintpaulia ionantha*, and hereinafter referred to by the cultivar name Debby.

The new cultivar is the product of a planned breeding program and was referred to during the breeding and selection process by the designation 087-218-004. The basic objective of the breeding program was to create a new miniature and compact highly floriferous African violet cultivar having an abundance of single deep violet-blue flowers which stand erect above dark green foliage.

The new cultivar originated from a cross made in this breeding program at Hannover, West Germany. The female and male parents are unknown at this time. The discovery and selection of the new cultivar occurred during 1987.

Asexual reproduction of the new cultivar by leaf cuttings, as performed by me at Hannover, West Germany and at Fallbrook, Calif., U.S.A. has demonstrated that the combination of characteristics as herein disclosed for the new cultivar are firmly fixed and are retained through successive generations of asexual propagation.

Debby has not been observed under all possible environmental conditions to date. Accordingly, the phenotype may vary significantly with variations in the environment, such as temperature, light intensity, day length, etc.

The observations, measurements, and values expressed herein describe the new cultivar when grown under greenhouse conditions at Hannover, West Germany. These conditions are believed to closely approximate those commonly used in commercial practice.

The following traits have been repeatedly observed and are believed to be the basic characteristics of Debby which in combination distinguish it as being a new and distinct African violet cultivar:

(a) forms attractive deep violet-blue single zygomorphic rotate flowers having no or only very weak undulation of the petals,

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(b) forms dark green pubescent foliage comprising oval leaves with a very slightly crenate margin having a narrow apex and a cordate base,

(c) exhibits a compact miniature rosette growth habit with the flowers being held erect above the foliage on upright peduncles, and

(d) exhibits a very floriferous habit with the flowers continuing to open for many weeks after the onset of flowering.

The flowers commonly exhibit an average diameter of approximately 2.5 to 3 cm. and sometimes include petaloid anthers. When started as 6 to 8 leaf-stage plantlets, Debby commonly finishes in 8 to 10 weeks when grown in 6 to 8 cm. pots depending upon the growing conditions encountered.

Since the new cultivar is considered to be unique, it is not meaningful to compare its characteristics to those of any previously known African violet variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographs show as nearly true as it is reasonably possible to make the same, in color illustrations of this character, typical specimens of the plant and flowers of the new cultivar. The plants of the new variety were grown in a greenhouse at Hannover, West Germany.

FIG. 1 illustrates a typical specimen of the overall plant of the new cultivar wherein the compact miniature growth habit, foliage and blossoms are shown, and

FIG. 2 illustrates from above at the right three typical flowers of the new cultivar, and at the left a portion of a page from the R.H.S. Colour Chart of The Royal Horticultural Society, London, for comparative purposes.

DETAILED DESCRIPTION

The chart used in the identification of the colors described hereafter is that of The Royal Horticultural Society (R.H.S. Colour Chart) except where general color terms of ordinary dictionary significance are expressed. The color values were taken under natural daylight conditions at noon at Hannover, West Germany.

Botanical classification: *Saintpaulia ionantha*, Ramat.,
 cv. Debby.
 Parentage: Unknown.
 Propagation: The new cultivar holds its distinguishing
 characteristics through successive propagations by 5
 leaf cuttings.
 Plant: Commonly from approximately 4 to 5 cm. tall
 when grown in pots, and approximately 9 to 10 cm. in
 diameter when fully grown. The growth rate of plant
 is vigorous and the general shape of the fully grown 10
 plant is miniature, compact and rosette.

Leaves:

Quantity.—Abundant.
Shape.—Oval shaped with a very slightly crenate
 margin, having a narrow apex and a cordate 15
 base.
Size.—Approximately 3 cm. in length on average-
 × approximately 3 cm. in width on average.
Texture.—Pubescent and glossy.
Ribs and veins.—Pinnate. 20
Color — upper surface.—Yellow-Green Group
 147A.
Color — under surface.—Greyed-Purple Group
 186D.
Petioles.—Greyed-Purple Group 183C. 25

Flowers:

Buds.—Size: Approximately 0.5 cm×0.3 cm. on
 average. Shape: Round. Rate of opening: Nor-
 mal.
Sepals.—Shape: 5 in number, lanceolate. Color: 30
 Greyed-Red Group 178A.
Phyllaries.—Shape: 2 in number, lanceolate. Color:
 Medium green.
Calyx.—Size: Approximately 0.3 cm. in diameter
 on average. Shape: Funnel-shaped. Aspect: Pu- 35
 bescent.
Peduncle.—Length: Approximately 3.5 to 4.5 cm.
 on average. Character: Erect, rigid. Color:
 Greyed-Red Group 178A.

Individual flowers:

Number of petals.—5, some flowers may include
 petaloid anthers. 40
Size.—A diameter of approximately 2.5 to 3.0 cm.
 and a depth of approximately 0.5 cm. commonly
 are exhibited. 45
Shape.—Single zygomorphic rotate.

Color — upper surface.—Violet-Blue Group 89B.
Color — under surface.—Violet-Blue Group 89C.
 The flower coloration can vary somewhat due to
 the amount of light, fertilizer, temperature and
 other growing conditions.
Bearing.—Cymose clusters on upright peduncles.
Flowering habit.—Flowers profusely and intermit-
 tently throughout the year with blooms com-
 monly lasting approximately 3 to 4 weeks after
 which petals dry up but do not drop; finishes in
 approximately 8 to 10 weeks when a 6 to 8 leaf-
 stage plantlet is grown in a 5 to 6 cm. pot.

Reproductive organs:

Stamens.—Borne singly on one side of the ovary; 2
 anthers are basifixed. Anthers: 2 in number;
 monodelphous arrangement; approximately
 0.2×0.1 cm.; yellow. Filaments: approximately
 0.3 cm.; bicolored, yellow and violet. Pollen
 color: Yellow.
Pistels.—Number: 1 in number. Styles: Approxi-
 mately 0.5 to 0.6 cm. in length, violet. Stigma:
 Sticky, white. Ovaries: Hypogynous and toment-
 ose.

Disease resistance: No African violet diseases have been
 observed to date.

I claim:

1. A new and distinct cultivar of African violet plant
 named Debby characterized by the following combina-
 tion of characteristics:

- (a) forms attractive deep violet-blue single zygomor-
 phic rotate flowers having no or only very weak
 undulation of the petals,
 - (b) forms dark green pubescent foliage comprising oval
 leaves with a very slightly crenate margin having a
 narrow apex and a cordate base,
 - (c) exhibits a compact miniature rosette growth habit
 with the flowers being held erect above the foliage on
 upright peduncles, and
 - (d) exhibits a very floriferous habit with the flowers
 continuing to open for many weeks after the onset of
 flowering;
- 45 substantially as herein shown and described.

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Fig. 1

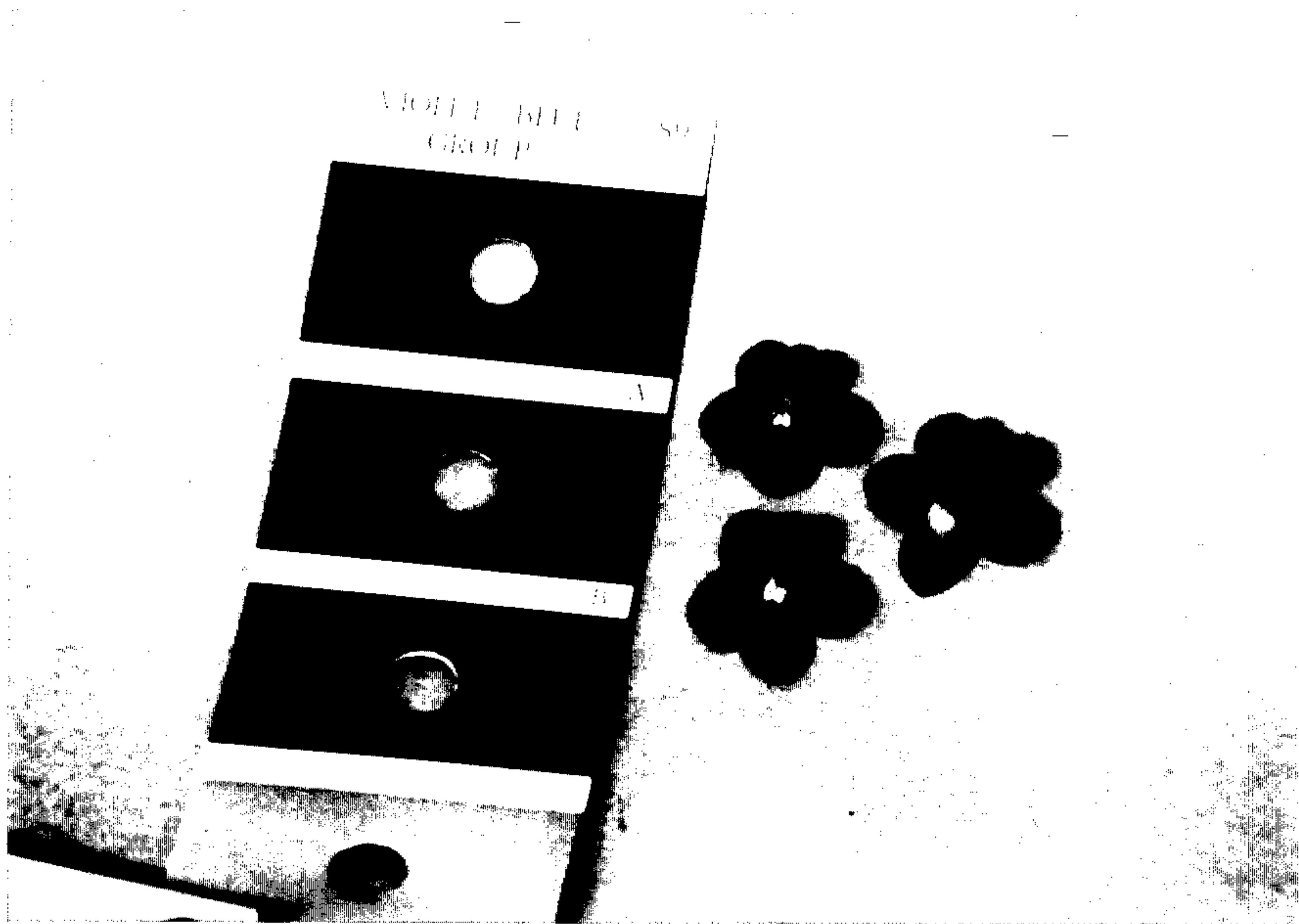


Fig. 2