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(54) **PHLOX PLANT NAMED ‘BALKAPOWI’**

(50) Latin Name: *Phlox paniculata*

Varietal Denomination: **Balkapowi**

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(52) **U.S. Cl.**

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(58) **Field of Classification Search**

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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of *Phlox* plant named ‘Balkapowi’, characterized by its bright white-colored flowers with a slight blush red-purple center, medium green-colored foliage, and moderately vigorous, compact-upright growth habit, is disclosed.

1 Drawing Sheet

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Latin name of genus and species of plant claimed: *Phlox paniculata*.

Variety denomination: ‘Balkapowi’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Phlox* plant botanically known as *Phlox paniculata* and hereinafter referred to by the cultivar name ‘Balkapowi’.

The new cultivar originated in a controlled breeding program in Hem, the Netherlands during September 2016. The objective of the breeding program was the development of *Phlox* cultivars with attractive flower coloration, increased powdery mildew resistance and a compact-upright growth habit.

The new *Phlox* cultivar is the result of open-pollination. The female (seed) parent of the new cultivar is the proprietary *Phlox paniculata* breeding selection coded H18-4, not patented, characterized by its white-colored flowers, medium green-colored foliage, and moderately vigorous, upright growth habit. The male (pollen) parent of the new cultivar is unknown. The new cultivar was selected as a single flowering plant within the progeny of the above stated open-pollination during August 2017 in a controlled environment in Hem, the Netherlands.

Asexual reproduction of the new cultivar by terminal stem cuttings since August 2017 in Hem, the Netherlands and Elburn, Ill. has demonstrated that the new cultivar reproduces true to type with all of the characteristics, as herein described, firmly fixed and retained through successive generations of such asexual propagation.

SUMMARY OF THE INVENTION

The following characteristics of the new cultivar have been repeatedly observed and can be used to distinguish ‘Balkapowi’ as a new and distinct cultivar of *Phlox* plant:

1. Bright white-colored flowers with a slight blush red-purple center;
2. Medium green-colored foliage; and

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3. Moderately vigorous, compact-upright growth habit.

Plants of the new cultivar differ from plants of the female parent primarily in having increased branching and a more compact growth habit.

5 Of the many commercially available *Phlox* cultivars, the most similar in comparison to the new cultivar is KA-POW White Bicolor ‘Balkapowibi’, U.S. Plant Pat. No. 30,782. However, in side by side comparisons, plants of the new cultivar differ from plants of ‘Balkapowibi’ in at least the following characteristics:

- 10 1. Plants of the new cultivar have larger primary inflorescences than plants of ‘Balkapowibi’;
2. Plants of the new cultivar have more flowers per primary inflorescence than plants of ‘Balkapowibi’;
- 15 and
3. Plants of the new cultivar are taller than plants of ‘Balkapowibi’.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

20 The accompanying photographs show, as nearly true as it is reasonably possible to make the same in color illustrations of this type, typical flower and foliage characteristics of the new cultivar. Colors in the photographs differ slightly from the color values cited in the detailed description, which accurately describes the colors of ‘Balkapowi’. The plants were approximately five months old. The plants were grown in 1.72-gallon containers for approximately 12 weeks in an outdoor nursery in West Chicago, Ill. Plants were given two

25 pinches prior to transplant.
FIG. 1 illustrates a side view of the overall growth and flowering habit of ‘Balkapowi’.

FIG. 2 illustrates a close-up view of an individual inflorescence of ‘Balkapowi’.

DETAILED BOTANICAL DESCRIPTION

35 The new cultivar has not been observed under all possible environmental conditions to date. Accordingly, it is possible that the phenotype may vary somewhat with variations in the

environment, such as temperature, light intensity, and day length, without, however, any variance in genotype.

The chart used in the identification of colors described herein is The R.H.S. Colour Chart of The Royal Horticultural Society, London, England, 2015 edition, except where
5 general color terms of ordinary significance are used. The color values were determined in July 2020 under natural light conditions in Naperville, Ill.

The following descriptions and measurements describe approximately five-month old plants produced from cuttings
10 from stock plants and grown under conditions comparable to those used in commercial practice. The plants were grown in 1.72-gallon containers for approximately 12 weeks in an outdoor nursery in West Chicago, Ill. Plants were given two pinches prior to transplant. Prior to transplant plants were
15 grown in liners in a poly-covered greenhouse in West Chicago, Ill. Greenhouse temperatures ranged from an average high of 69.3° F. (20.7° C.) to an average low of 63.6° F. (17.6° C.), and supplemental lighting was provided daily for five hours during short days. Measurements and numerical
20 values represent averages of typical plants.

Botanical classification: *Phlox paniculata* 'Balkapowi'.

Parentage:

Female parent.—Proprietary *Phlox paniculata* breeding selection coded H18-4, not patented. 25

Male parent.—Unknown.

Propagation:

Type cutting.—Terminal stem.

Time to initiate roots.—Approximately 10 to 12 days. 30

Time to produce a rooted cutting.—Approximately 42 to 49 days.

Root description.—Fine to medium thickness, medium density.

Rooting habit.—Freely branching, medium density. 35

Plant description:

Commercial crop time.—Approximately 10 to 12 weeks from a rooted cutting to finish in a 15 cm pot.

Growth habit and general appearance.—Herbaceous perennial, moderately vigorous, compact-upright
40 growth habit.

Hardiness.—USDA Zone 4b (−20° F. to −25° F./−28.9° C. to −31.7° C.).

Size.—Height: Approximately 26.5 cm. Width: Approximately 29.0 cm. 45

Branching habit.—Freely branching, pinching will improve branching.

Branch.—Quantity: Approximately 4 main branches. Shape: Round. Strength: Strong. Length to base of inflorescence: Approximately 17.0 cm. Diameter: 50
Approximately 3.0 mm. Length of central internode: Approximately 6.0 mm. Texture: Glabrous. Color of young stems: 146D. Color of mature stems: 146D, becoming woody 199A to 199C with age.

Foliage description: 55

General description.—Quantity of leaves per main branch: Approximately 22. Fragrance: None detected. Form: Simple. Arrangement: Opposite, decussate.

Leaves.—Shape: Elliptic, slightly carinate. Margin: 60
Entire, minutely ciliate. Apex: Acute. Base: Attenuate. Venation pattern: Pinnate. Length: Approximately 5.2 cm. Width: Approximately 2.2 cm. Texture of upper surface: Sparsely pubescent. Texture of lower surface: Glabrous. Color of upper surface of
65 young and mature foliage: Closest to 137A with

venation of 146D. Color of lower surface of young and mature foliage: Closest to 147B with venation of 146D.

Petioles.—Length: Approximately 3.0 mm. Width: Approximately 2.0 mm. Texture: Glabrous. Color: 146D.

Flowering description:

Flowering habit.—'Balkapowi' is a long day obligate and is freely flowering under outdoor growing conditions with substantially continuous blooming from late spring throughout summer.

Lastingness of individual flower on the plant.—Approximately 10 days.

Inflorescence description:

General description.—Type: Compound terminal panicle, flowers face upright and outwardly, self-cleaning. Quantity per plant: Approximately 6. Fragrance: Moderately sweet and pleasant. Height of primary: Approximately 6.5 cm. Width of primary: Approximately 10.0 cm. Quantity of fully open flowers per primary inflorescence: Approximately 28. Height of secondary: Approximately 4.0 cm. Width of secondary: 7.0 cm. Quantity of fully open flowers per secondary inflorescence: Approximately 8.

Peduncle.—Strength: Strong. Aspect: Primary erect, axillary acute angle to stem. Length of primary: Approximately 1.5 cm. Diameter of primary: Approximately 2.0 mm. Length of axillary: Approximately 1.0 cm. Diameter of axillary: Approximately 1.5 mm. Texture: Densely pubescent. Color: 146D occasionally lightly tinted with N187A.

Flower description:

Type.—Single.

Bud.—Rate of opening: Generally takes 3 to 4 days for bud to progress from first color to fully open flower.

Bud just before opening.—Shape: Oblanceolate. Length: Approximately 1.4 cm. Diameter: Approximately 4.0 mm. Color: 146C with tips and central streak of N186A; petal portion of NN155A with streaks of 93A to 93C.

Corolla.—Shape: Salverform. Diameter: Approximately 2.3 cm. Depth: Approximately 2.1 cm.

Petals.—Quantity: 5 in a single whorl, base fused into a narrow tube. Lobe shape: Obovate. Margin: Entire. Apex: Obtuse, slightly wavy. Lobe length: Approximately 9.0 mm. Lobe width: Approximately 1.1 cm. Texture of upper and lower surfaces: Smooth, glabrous. Color of upper surface when first open: NN155D with base of NN78A and N78C. Color of lower surface when first open: NN155D with streaks of 90C. Color of upper surface when fully open: NN155D with base of NN78B to NN78C and 90D. Color of lower surface when fully open: NN155D with streaks of 90C.

Corolla tube.—Length: Approximately 2.0 cm. Diameter at distal end: Approximately 3.0 mm. Diameter at proximal end: Approximately 2.0 mm. Texture of outer surface: Moderately pubescent. Texture of inner surface: Smooth, glabrous with lower 5.0 mm densely pubescent. Color of inner surface: NN155D with an overlay of 90C. Color of outer surface: NN155D with an overlay of 90D.

Calyx.—Shape: Cupped. Length: Approximately 9.0 mm. Diameter: Approximately 3.0 mm.

Sepals.—Quantity per flower: 5, lower half fused. Shape: Lanceolate. Apex: Narrowly apiculate. Length: Approximately 9.0 mm. Width: Approximately 2.0 mm. Texture of inner and outer surfaces: Smooth, glabrous. Color of inner surface: 146C with tip of N186A. Color of outer surface: 146D with tip of and central streak of N186A.

*Pedice*l.—Strength: Strong, flexible. Aspect: Primary erect, axillary acute angle to peduncle. Length: Approximately 4.0 mm. Diameter: Approximately 1.0 mm. Texture: Densely pubescent. Color: 146D.

Reproductive organs.—Androecium: Stamen quantity: 5 per flower, adnate to corolla tube. Stamen length: Approximately 1.9 cm. Filament length of free portion: Approximately 1.0 mm. Anther shape: Sagittate. Anther length: Approximately 2.0 mm. Anther

color: 155D. Pollen amount: Abundant. Pollen color: NN155D. Gynoecium: Pistil quantity: 1 per flower. Pistil length: Approximately 1.5 cm. Stigma shape: Cleft, three-parted. Stigma length: Approximately 1.0 mm. Stigma color: 145D. Style length: Approximately 1.3 cm. Style color: 145D. Ovary length: Approximately 2.0 mm. Ovary color: 144A.

Seed and fruit production: Neither seed nor fruit production has been observed.

10 Disease and pest resistance: Increased resistance to powdery mildew has been observed.

What is claimed is:

1. A new and distinct cultivar of *Phlox* plant named 'Balkapowi', substantially as herein illustrated and described.

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FIG. 1



FIG. 2