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(12) **United States Plant Patent**
van Sambeek

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

(50) Latin Name: *Phlox x procumbens*
Varietal Denomination: **Dophlowoli**

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(NL)

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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 0 days.

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A01H 6/70 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./320**

(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
‘Dophlowoli’, characterized by its upright to outwardly
spreading and mounding plant habit; vigorous growth habit;
freely flowering habit; large light purple-colored flowers;
and good garden performance.

1 Drawing Sheet

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Botanical designation: *Phlox x procumbens*.
Cultivar denomination: ‘DOPHLOWOLI’.

CROSS-REFERENCED TO CLOSELY-RELATED
APPLICATIONS

Title: *Phlox* Plant Named ‘Dophlowowhi’

Inventor: Ellen van Sambeek

Filed: Concurrently with this application Ser. No. 17/140,
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STATEMENT REGARDING PRIOR
DISCLOSURES BY INVENTOR &
APPLICANT/ASSIGNEE

An European Community Plant Breeder’s Rights appli-
cation for the instant plant was filed by the Applicant/
Assignee, Dümmen Group B.V. of De Lier, The Netherlands
on Aug. 12, 2020, application number 2020/1899. Foreign 20
priority is not claimed to this application.

The Inventor and Applicant/Assignee assert that no pub-
lications nor advertisements relating to sales, offers for sale
or public distribution occurred more than one year prior to
the effective filing date of this application. Any information 25
about the claimed plant would have been obtained from a
direct or indirect disclosure from the Inventor and/or Appli-
cant/Assignee. Inventor and Applicant/Assignee claim a
prior art exemption under 35 U.S.C. 102(b)(1) for disclosure
and/or sales prior to the filing date but less than one year
prior to the effective filing date.

BACKGROUND OF THE INVENTION

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

The new *Phlox* plant is a product of a planned breeding
program conducted by the Inventor in Aalsmeer, The Neth-

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erlands. The objective of the breeding program was to create
new freely-flowering *Phlox* plants with large attractive flow-
ers.

The new *Phlox* plant originated from a cross-pollination
5 made by the Inventor in April, 2013 in Aalsmeer, The
Netherlands, of a proprietary selection of *Phlox x procum-
bens* identified as code number SB-0042, not patented, as the
female, or seed, parent with a proprietary selection of *Phlox*
x procumbens identified as code number SB10-000002-005,
10 not patented, as the male, or pollen, parent. The new *Phlox*
plant was discovered and selected by the Inventor as a single
flowering plant from within the progeny of the stated
cross-pollination in a controlled environment in Aalsmeer,
The Netherlands in April, 2014.

Asexual reproduction of the new *Phlox* plant by vegeta-
15 tive cuttings in a controlled environment in Aalsmeer, The
Netherlands since June, 2014 has shown that the unique
features of this new *Phlox* plant are stable and reproduced
true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new *Phlox* have not been observed under all
25 possible combinations of environmental conditions and cul-
tural practices. The phenotype may vary somewhat with
variations in environmental conditions such as temperature
and light intensity without, however, any variance in geno-
type.

The following traits have been repeatedly observed and
30 are determined to be the unique characteristics of
‘Dophlowoli’. These characteristics in combination distin-
guish ‘Dophlowoli’ as a new and distinct *Phlox* plant:

- 35 1. Upright to outwardly spreading and mounding plant
habit.
2. Vigorous growth habit.
3. Freely flowering habit.
4. Large light purple-colored flowers.
5. Good garden performance.

Plants of the new *Phlox* differ primarily from plants of the female parent selection in flower color as plants of the new *Phlox* have light purple-colored flowers whereas plants of the female parent selection have white-colored flowers.

Plants of the new *Phlox* differ primarily from plants of the male parent selection in flower color as plants of the new *Phlox* have light purple-colored flowers whereas plants of the male parent selection have white-colored flowers.

Plants of the new *Phlox* can be compared to *Phlox* x *procumbens* 'Dophlowowhi', disclosed in a U.S. Plant Patent filed concurrently, in flower color as plants of the new *Phlox* have light purple-colored flowers whereas plants of 'Dophlowowhi' have white-colored flowers.

Plants of the new *Phlox* can also be compared to plants of *Phlox* x *procumbens* 'Emerald Cushion Blue', not patented. In side-by-side comparisons, plants of the new *Phlox* and 'Emerald Cushion Blue' differ in the following characteristics:

1. Plants of the new *Phlox* are more upright than and not as creeping as plants of 'Emerald Cushion Blue'.
2. Plants of the new *Phlox* have larger flowers than plants of 'Emerald Cushion Blue'.
3. Plants of the new *Phlox* and 'Emerald Cushion Blue' differ in flower color as plants of the new *Phlox* have light purple-colored flowers whereas plants of 'Emerald Cushion Blue' have light blue-colored flowers.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the overall appearance of the new *Phlox* plant showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photograph may differ slightly from the color values cited in the detailed botanical description which accurately describe the colors of the new *Phlox* plant.

The photograph comprises a side perspective view of typical flowering plant of 'Dophlowoli' grown in a container.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations, measurements and values describe plants grown during the spring in 17-cm containers initially in a glass-covered greenhouse and finished in an outdoor nursery in Aalsmeer, The Netherlands and under cultural practices typical of commercial *Phlox* production. During the production of the plants, day temperatures averaged 21° C. and night temperatures averaged 15° C. Plants were pinched one time two weeks after planting rooted young plants and plants were 50 weeks old when the photograph and the description were taken. In the following description, color references are made to The Royal Horticultural Society Colour Chart, Second Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Phlox* x *procumbens* 'Dophlowoli'.
Parentage:

Female, or seed, parent.—Proprietary selection of *Phlox* x *procumbens* identified as code number SB-0042, not patented.

Male, or pollen, parent.—Proprietary selection of *Phlox* x *procumbens* identified as code number SB10-000002-005, not patented.

Propagation:

Type.—By vegetative cuttings.

Time to initiate roots, summer.—About 16 days at temperatures about 26° C.

Time to initiate roots, winter.—About three weeks at temperatures about 23° C.

Time to produce a rooted young plant, summer.—About 24 days at temperatures about 23° C.

Time to produce a rooted young plant, winter.—About four weeks at temperatures about 18° C.

Root description.—Medium in thickness, fibrous; typically white to light yellow in color, actual color of the roots is dependent on substrate composition, water quality, fertilizer type and formulation, substrate temperature and physiological age of roots.

Rooting habit.—Moderately freely branching; medium density.

Plant description:

Plant and growth habit.—Herbaceous perennial typically grown as a container and garden plant; upright to outwardly spreading and mounding plant habit; vigorous growth habit and relatively slow growth rate.

Plant height.—About 25 cm.

Plant width (spread).—About 51 cm.

Lateral branches.—Branching habit: Freely branching habit with numerous primary and secondary lateral branches developing per plant. Length: About 24 cm. Internode length: About 2 cm. Strength: Strong. Aspect: About 20° from vertical to horizontal. Texture and luster: Pubescent; glossy. Color: Close to 144A tinged with close to 59A.

Leaf description:

Arrangement.—Opposite, decussate; simple; sessile.

Length.—About 4 cm.

Width.—About 7 mm.

Shape.—Lanceolate.

Apex.—Acuminate.

Base.—Cuneate.

Margin.—Entire, slightly ciliate.

Texture and luster, upper and lower surfaces.—Slightly pubescent; glossy.

Venation pattern.—Hyphodromous.

Color.—Developing leaves, upper surface: Close to 137A. Developing leaves, lower surface: Close to 146C. Fully expanded leaves, upper surface: Close to 146A; venation, close to 146A. Fully expanded leaves, lower surface: Close to 146B; venation, close to 146B.

Flower description:

Flower type and flowering habit.—Single rotate and salverform flowers arranged in terminal and lateral panicles; flowers face mostly upright to outwardly depending on position on inflorescence; freely flowering habit with about six open flowers per inflorescence and about 378 flowers developing per plant during the flowering season.

Frangrance.—Faintly fragrant, pleasant.

Natural flowering season.—Plants begin flowering about 38 weeks after planting; plants flower in April and May in the garden in The Netherlands; flowers persistent.

Flower buds.—Height: About 1.5 cm. Diameter: About 5 mm. Shape: Elliptical. Texture and luster: Smooth, glabrous; matte. Color: Close to 76A.

Inflorescence height.—About 9 cm.

Inflorescence diameter.—About 9 cm.

Flower diameter.—About 3 cm by 3.3 cm.

Flower depth.—About 1.8 cm.

Flower throat diameter.—About 3 mm.

Flower tube length.—About 1 cm.

Flower diameter, proximally.—About 3 mm.

Petals.—Quantity per flower: Typically five in a single whorl; petals fused at the base into a narrow tube. Lobe length: About 1.5 cm. Lobe width: About 1.4 cm. Lobe shape: Obovate. Lobe apex: Bluntly obtuse. Lobe margin: Entire; slightly undulate. Lobe texture and luster, upper and lower surfaces: Smooth, glabrous; matte. Throat texture and luster: Smooth, glabrous; matte. Tube texture and luster: Pubescent; matte. Color: When opening, upper surface: Close to 76A. When opening, lower surface: Close to 76B. Fully opened, upper surface: Close to 76A; venation, close to 76A; color becoming closer to 76D with development. Fully opened, lower surface: Close to 76C; venation, close to 76C; color becoming closer to 76D with development. Throat: Close to 76A; venation, close to 76A. Tube: Close to 76A; venation, close to 76A.

Sepals.—Quantity per flower: Typically five in a single whorl, fused towards the base; calyx, tubular in shape. Length: About 1 cm. Width: About 1 mm. Shape: Narrowly deltoid, subulate. Apex: Acuminate. Margin: Entire. Texture and luster, upper surface: Pubescent; semi-glossy. Texture and luster, lower surface: Pubescent; glossy. Color: When opening and fully opened, upper surface: Close to 141A. When opening and fully opened, lower surface: Close to 141A.

Peduncles.—Length: About 6 cm. Diameter: About 2 mm. Strength: Moderately strong. Aspect: About 25° from lateral branch axis. Texture and luster: Pubescent; glossy. Color: Close to 144A.

Pedicels.—Length: About 3 cm. Diameter: About 1 mm. Strength: Moderately strong. Aspect: About 5° to 25° from peduncle axis. Texture and luster: Pubescent; glossy. Color: Close to 143A.

Reproductive organs.—Stamens: Quantity per flower: Typically five. Filament length: About 1 cm. Filament color: Close to 145C. Anther size: About 1 mm by 2 mm. Anther shape: Elliptical. Anther color: Close to 145B. Pollen amount: Abundant. Pollen color: Close to 17A. Pistils: Quantity per flower: One. Pistil length: About 1.4 cm. Stigma diameter: About 2 mm. Stigma shape: Cleft, three-parted. Stigma color: Close to 145A. Style length: About 1.1 cm. Style color: Close to 145C. Ovary color: Close to 140A.

Seeds and fruits.—To date, seed and fruit development have not been observed on plants of the new *Phlox*.

Garden performance: Plants of the new *Phlox* have been observed to have good garden performance and to tolerate rain, wind, temperatures ranging from -35° C. to 35° C. and to be suitable for USDA Hardiness Zone 3.

Pathogen & pest resistance: To date, plants of the new *Phlox* have not been observed to be resistant to pathogens and pests common to *Phlox* plants.

It is claimed:

1. A new and distinct *Phlox* plant named 'Dophlowoli' as illustrated and described.

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