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(12) **United States Plant Patent**
Hanes

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(54) **PELARGONIUM PLANT NAMED ‘PEQZ0101’**

(50) Latin Name: *Pelargonium interspecific*
Varietal Denomination: **PEQZ0101**

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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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(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A new *Pelargonium* plant named ‘PEQZ0101’ particularly distinguished by brilliant dark rose colored inflorescences, held above medium green foliage, on a vigorous semi-spreading plant.

1 Drawing Sheet

1

Latin name of the genus and species of the plant claimed: *Pelargonium interspecific*.

Varietal denomination: ‘PEQZ0101’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new *Pelargonium*, botanically known as *Pelargonium interspecific*, and hereinafter referred to by the variety name ‘PEQZ0101’.

‘PEQZ0101’ is a product of a planned breeding program. The new cultivar ‘PEQZ0101’ has brilliant dark rose colored inflorescences, held above medium green foliage, on a vigorous semi-spreading plant.

‘PEQZ0101’ originates from a hybridization in a controlled breeding program made in July 2016, in a greenhouse in Gilroy, Calif., The United States of America. The female parent was plant of *P. x interspecific* parentage identified as ‘PEQZ0015’, U.S. Pat. No. 28,709, with redder colored florets, and more umbels when compared to ‘PEQZ0101’.

The male parent of ‘PEQZ0101’ was an unpatented, proprietary plant of *P. x interspecific* parentage, identified as ‘11530-3’ with a smaller plant habit and lighter colored petals when compared to ‘PEQZ0101’. The resultant seed was sown in January 2017.

‘PEQZ0101’ was selected as one flowering plant within the progeny of the stated cross in August 2017 in a greenhouse in Gilroy, Calif.

The first act of asexual reproduction of ‘PEQZ0101’ was accomplished when vegetative stem cuttings were propagated from the initial selection in September 2017 in a greenhouse in California, Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings of the plant initiated in March 2018 in Gilroy, Calif. and continuing thereafter, has demonstrated that the combination

2

of characteristics as herein disclosed for ‘PEQZ0101’ are firmly fixed and are retained through successive generations of asexual reproduction.

‘PEQZ0101’ has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity, and day length.

A Plant Breeder’s Right for this cultivar has not yet been applied for. ‘PEQZ0101’ has not been made publicly available prior to the effective filing date of this application, notwithstanding any disclosure that may have been made less than one year prior to the effective filing date of this application by the inventor or another who obtained ‘PEQZ0101’ directly from the inventor.

The following traits have been repeatedly observed and are determined to be the basic characteristics of the new variety. The combination of these characteristics distinguishes this *Pelargonium* as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawings show typical flower and foliage characteristics of ‘PEQZ0101’ with colors being as true as possible with an illustration of this type.

The photographic drawings show in FIG. 1, one flowering plants of the new variety and in FIG. 2, a close-up of an inflorescence.

DETAILED BOTANICAL DESCRIPTION

The plant descriptions and measurements were taken in Gilroy, Calif. in September 2022 under natural light. The plants were approximately 24 weeks old and were grown in a 30 cm pot, in a greenhouse trial. The photographs were taken in May 2022.

Color references are made to The Royal Horticultural Society Colour Chart (R.H.S.) 2001.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'PEQZ0101' AND A MOST SIMILAR VARIETY		
	'PEQZ0101'	'PEQZ0001' (U.S. Plant Pat. No. 24,735)
Presence of distinct spot in center of upper petal:	With distinct spot in center of upper petal	Without distinct spot on upper petal
Color bud just before opening:	Red purple, RHS N66	Red, between RHS 46A and 46B

Plant:

Form, growth and habit.—Semi-spreading and semi-upright growth habit.
Plant height.—21-24 cm.
Plant height (inflorescence included).—24-29 cm.
Plant width.—49-52 cm.

Roots:

Number of days to initiate roots.—15-18 days at about 22 degrees C.
Number of days to produce a rooted cutting.—21-23 days at 22 degrees C.
Type.—Fine, fibrous, free branching.
Color.—RHS N155B but whiter.

Foliage:

Variation.—Absent.
Immature leaf, color upper surface.—Closest to RHS 137B.
Immature leaf, lower surface.—Closest to RHS 138B.
Mature leaf, color upper surface.—Closest to RHS 137A.
Mature leaf, color lower surface.—Closest to RHS 138B.
Length.—5.5-6.5 cm.
Width.—8-10 cm.
Shape.—Cordate.
Base shape.—Cordate.
Sinus of mature leaf.—Variable, very narrow to narrow on young mature leaf, more wode on older.
Leaf base openness.—Variable, some leaves almost closed, some leaves open or slightly open.
Apex shape.—Acute.
Margin.—Slightly dentate.
Texture upper side.—Hirsute.
Texture lower side.—Hirsute.
Leaf zonation color.—None.
Color of veins, upper surface.—RHS 137A, largely indistinct.
Color of veins, lower surface.—RHS 144B, becoming indistinct.
Pattern of veining.—Palmate.
Petiole color.—RHS 143B, slightly mottled close to RHS 176C.
Petiole length.—8-9 cm.
Diameter of petiole.—0.3-0.4 cm.
Texture.—Pilose, hirsute, glandular hairs.

Stem:

Quantity of branches.—5-9.
Color of stem.—Close to RHS 143B.
Anthocyanin coloration of stem.—A weak anthocyanin coloration is visible under high solar radiation.
Length of stem.—10-15 cm.
Diameter.—0.6-0.7 cm.
Length of internodes.—1-3 cm.
Texture.—Sparsely hirsute, pilose, glandular hairs.

Peduncle:

Color of peduncle.—RHS 144A.
Length of peduncle.—12-17 cm.
Peduncle diameter.—0.3-0.5 cm.
Texture.—Hirsute, glandular hairs.
Anthocyanin coloration of peduncle.—A slight anthocyanin coloration is visible under high solar radiation on middle third.

Pedicel:

Color of pedicel.—Basal part RHS 144B, mottling with anthocyanin RHS 200B halfway the pedicel on a node.
Length of pedicel.—1.5-3 cm.
Diameter of pedicel.—0.15-0.2 cm.
Texture.—Sparsely pilose, glandular hairs.
Pedicel swelling.—Swelling was not observed.

Bud (just before opening):

Color.—RHS N66.
Length.—1.2-1.4 cm.
Width.—0.6-0.7 cm.
Shape.—Elliptical.

Inflorescence:

Type.—Umbel; semi-spherical or nearly semi-spherical.
Lastingness of individual flowers.—7-9 days at 18° C. temperature.
Number of inflorescences per plant.—6-12, with 5-12 immature umbels in various stages.
Average total number of buds.—50.
Fragrance.—None.
Umbel diameter.—8-10 cm.
Umbel depth.—5-7 cm.

Corolla:

Form.—Semi-double.
Number of petals.—7-11.
Diameter of flower.—4-5.5 cm.
Depth of flower.—1.5-2 cm.
Side view shape.—Concave.
Color upper petals, upper surface.—Bright RHS N74A with RHS N66A at center.
Color upper petals, lower surface.—RHS 73A with veins showing RHS 66A.
Length of upper petals.—2-2.4 cm.
Width of upper petals.—2-2.2 cm.
Color lower petals, upper surface.—Bright RHS N74A with RHS N66A at center, with at the base RHS N155C.
Color lower petals, lower surface.—RHS 73A with veins showing RHS 66A and base RHS N155B.
Markings on upper petals.—Spot and veins RHS 66A.
Markings on lower petals.—Spot and veins RHS 66A.
Length of lower petals.—2-2.6 cm.
Width of lower petals.—1.8-2.2 cm, petaloids variably smaller smaller and with variable shape.
Petal shape.—Obovate to spatulate.
Apex shape.—Rounded.
Margin.—Entire.
Base.—Attenuate.
Petal texture.—Papillose on both surfaces.

Calyx:

Number of sepals.—5.
Color of sepals.—RHS 144A with a variation of amount spots of RHS 183B.
Length of sepals.—1-1.4 cm.
Width of sepals.—0.2-0.4 cm.

Sepal shape.—Lanceolate to linear.

Apex shape.—Acute.

Margins.—Mostly fused.

Texture, upper surface.—Glabrous.

Lower surface.—Glandular hairs, hirsute.

Sepal flexing.—Mostly unflexed sepals. The narrowest sepals might flex moderately.

Reproductive organs:

Gynoecium:

Pistil.—RHS 145A.

Length.—0.8-0.9 cm.

Style color.—RHS 145A.

Style length.—0.4-0.5 cm.

Stigma color.—RHS 71B.

Ovary color.—RHS 144A.

Ovary length.—0.4-0.5 cm.

Ovary diameter.—0.2 cm.

Androecium:

Number of stamens.—6-9 with 1-5 staminoids.

Color of filaments.—RHS N155A with RHS72D at the tips.

5 *Length filaments.*—0.5-0.6 cm.

Anther color.—RHS 171D.

Length of anthers.—0.3 cm.

Color of pollen.—RHS N167B.

Pollen amount.—Scarce.

10 *Fertility/seed set.*—Has not been determined to date.

Disease/pest resistance.—Has not been determined to date.

What is claimed is:

1. A new and distinct variety of *Pelargonium* plant named
15 'PEQZ0101' substantially as illustrated and described herein.

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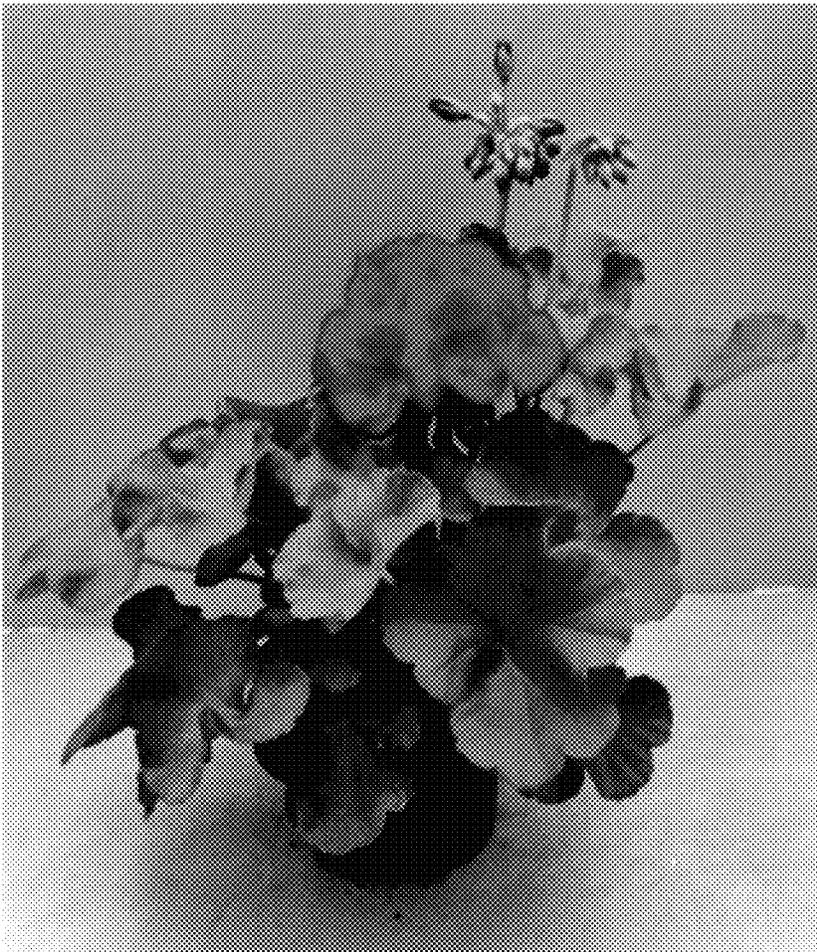


FIG. 1



FIG. 2