



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

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(54) **PELARGONIUM PLANT NAMED ‘PEQZ0003’**

(50) Latin Name: *Pelargonium* spp.
Varietal Denomination: **PEQZ0003**

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patent is extended or adjusted under 35
U.S.C. 154(b) by 91 days.

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(52) **U.S. Cl.**
USPC **Plt./324**

(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 ‘PEQZ0003’ particularly
distinguished by the bright red-purple colored inflorescences
held above the medium-green foliage, very heat and drought
tolerant with continuous color through the most extreme sum-
mer heat, and exceptional edema tolerance on a well-
branched plant habit.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed:
Pelargonium spp.
Varietal denomination: ‘PEQZ0003’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new *Pelargonium*,
botanically known as *Pelargonium* L’Hérit. Ex Aiton, and
hereinafter referred to by the variety name ‘PEQZ0003’.

‘PEQZ0003’ is a product of a planned breeding program.
The new cultivar ‘PEQZ0003’ has bright red-purple colored
inflorescences held above the medium-green foliage, very
heat and drought tolerant with continuous color through the
most extreme summer heat, and exceptional edema tolerance
on a well-branched plant habit.

‘PEQZ0003’ originates from a hybridization in a con-
trolled breeding program made in February 2007, in a green-
house in Gilroy, Calif. The female parent of ‘PEQZ0003’ was
an unpatented, proprietary plant of inter-specific origin,
derived from crosses between *Pelargonium*×*hortorum*, *Pel-
argonium peltatum* and *Pelargonium tongaense* lines, and
identified as ‘10521-1’ with a lighter rose color florets and a
smaller more open plant habit when compared to
‘PEQZ0003’.

The male parent of ‘PEQZ0003’ was an unpatented, pro-
prietary plant of inter-specific parentage, derived from
crosses between *Pelargonium*×*hortorum*, *Pelargonium
peltatum* and *Pelargonium tongaense* lines, and identified as
‘10520-1’ with more blue-rose colored florets and a more
open plant habit when compared to ‘PEQZ0003’. The result-
ant seed was sown in August 2007.

‘PEQZ0003’ was selected as one flowering plant within the
progeny of the stated cross in December 2007 in a greenhouse
in Gilroy, Calif.

The first act of asexual reproduction of ‘PEQZ0003’ was
accomplished when vegetative cuttings were propagated
from the initial selection in the December 2007 in a green-
house in Gilroy, Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings of
the plant initiated in December 2007 in Gilroy, Calif., and

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continuing thereafter, has demonstrated that the combination
of characteristics as herein disclosed for ‘PEQZ0003’ are
firmly fixed and are retained through successive generations
of asexual reproduction.

‘PEQZ0003’ has not been observed under all possible envi-
ronmental 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 was applied for in
Canada on Nov. 1, 2011, No. 11-7414. ‘PEQZ0003’ has not
been made publicly available more than one year prior to the
filing of this application.

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 drawing shows typical
flower and foliage characteristics of ‘PEQZ0003’ with colors
being as true as possible with an illustration of this type.

The photographic drawing shows in FIG. 1, 3 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 late May 2012 under natural light. These
plants were approximately 17-19 weeks old and were grown
in a 1 gallon pots, in a greenhouse trial. The plants shown in
the photographs were about 25 weeks old growing in a 10
inch pot in a greenhouse. The photographs were taken in April
2012.

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

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'PEQZ0003' AND A MOST SIMILAR VARIETY		
	'PEQZ0003'	'Cante Ros' (U.S. Plant Pat. No. 15,834)
Floret size:	Larger	Smaller
Floret petal color:	Deeper	Lighter
Umbel diameter size:	Larger	Smaller
Peduncle length:	Shorter	Longer

Plant:

Form, growth and habit.—Upright, outwardly spreading and rounded growth habit, heat and drought tolerant with continuous color through the most extreme summer heat, edema tolerance, well-branched plant habit.
Plant height.—16-18.0 cm.
Plant height (inflorescence included).—20-23.0 cm.
Plant width.—34-37.0 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:

Immature leaf, color upper surface.—Closest to RHS 137A with a slightly lighter mottling.
Immature leaf, lower surface.—Closest to RHS 137C.
Mature leaf, color upper surface.—Closest to RHS 137A with slightly lighter mottling.
Mature leaf, color lower surface.—Closest to RHS 137C.
Length.—4.3-4.6 cm.
Width.—7.5-7.9 cm.
Shape.—Cordate.
Base shape.—Cordate.
Apex shape.—Acute.
Margin.—Slightly dentate.
Texture upper side.—Hirsute.
Texture lower side.—Hirsute.
Leaf zonation color.—None.
Color of veins, upper surface.—RHS 137C becoming indistinct.
Color of veins, lower surface.—RHS 137C becoming indistinct.
Pattern of veining.—Palmate.
Petiole color.—RHS 137C.
Petiole length.—6-9.0 cm.
Diameter of petiole.—0.2 cm.
Texture.—Pilose, hirsute, glandular hairs.

Stem:

Quantity of branches.—8-10.
Color of stem.—Between RHS 144A and RHS 144B.
Length of stem.—10-12.0 cm.
Diameter.—0.5 cm.
Length of internodes.—1.5 cm.
Texture.—Sparsely hirsute, pilose, glandular hairs.

Peduncle:

Color of peduncle.—RHS 137C.
Length of peduncle.—13-15.0 cm.
Peduncle diameter.—0.3-0.35 cm.
Texture.—Hirsute, glandular hairs.

Pedicel:

Color of pedicel.—Between RHS 187A and RHS 166A.
Length of pedicel.—3.2-3.6 cm.
Diameter of pedicel.—0.15-0.2 cm.
Texture.—Sparsely pilose, glandular hairs.

Bud (just before opening):

Color.—Closest to RHS N57A with more red.
Length.—1.5 cm.
Width.—0.7-0.8 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.—12.
Number of flowers per inflorescence.—Approximately 13-20.
Fragrance.—None.
Umbel diameter.—12-14.0 cm.
Umbel depth.—6.5-7.5 cm.

Corolla:

Form.—Single.
Number of petals.—5.
Diameter of flower.—About 5.0 cm.
Depth of flower.—2-2.5 cm.
Color upper petals, upper surface.—Closest to RHS N57A but brighter and deeper, with RHS 53B veining.
Color upper petals, lower surface.—Closest to RHS 58B.
Length of upper petals.—3.0 cm.
Width of upper petals.—1.9 cm.
Color lower petals, upper surface.—Closest to RHS N57A but brighter and deeper.
Color lower petals, lower surface.—Closest to RHS 58B.
Length of lower petals.—2.7 cm.
Width of lower petals.—2.2 cm.
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 mottled with anthecyanins of about RHS 178B.
Length of sepals.—1.2 cm.
Width of sepals.—0.3-0.4 cm.
Sepal shape.—Lanceolate to linear.
Apex shape.—Acute.
Margins.—Mostly fused.
Texture, upper surface.—Glabrous.
Lower surface.—Glandular hairs, hirsute.

Reproductive organs:

Gynoecium:

Pistil.—1.
Length.—1.1 cm.
Style color.—Closest to RHS 53D.
Style length.—0.6-0.7 cm.
Stigma color.—Closest to RHS 53D.
Ovary color.—Between RHS 144A and RHS 144B.
Ovary length.—0.4-0.5 cm.
Ovary diameter.—0.2 cm.

* * * * *



FIGURE 1

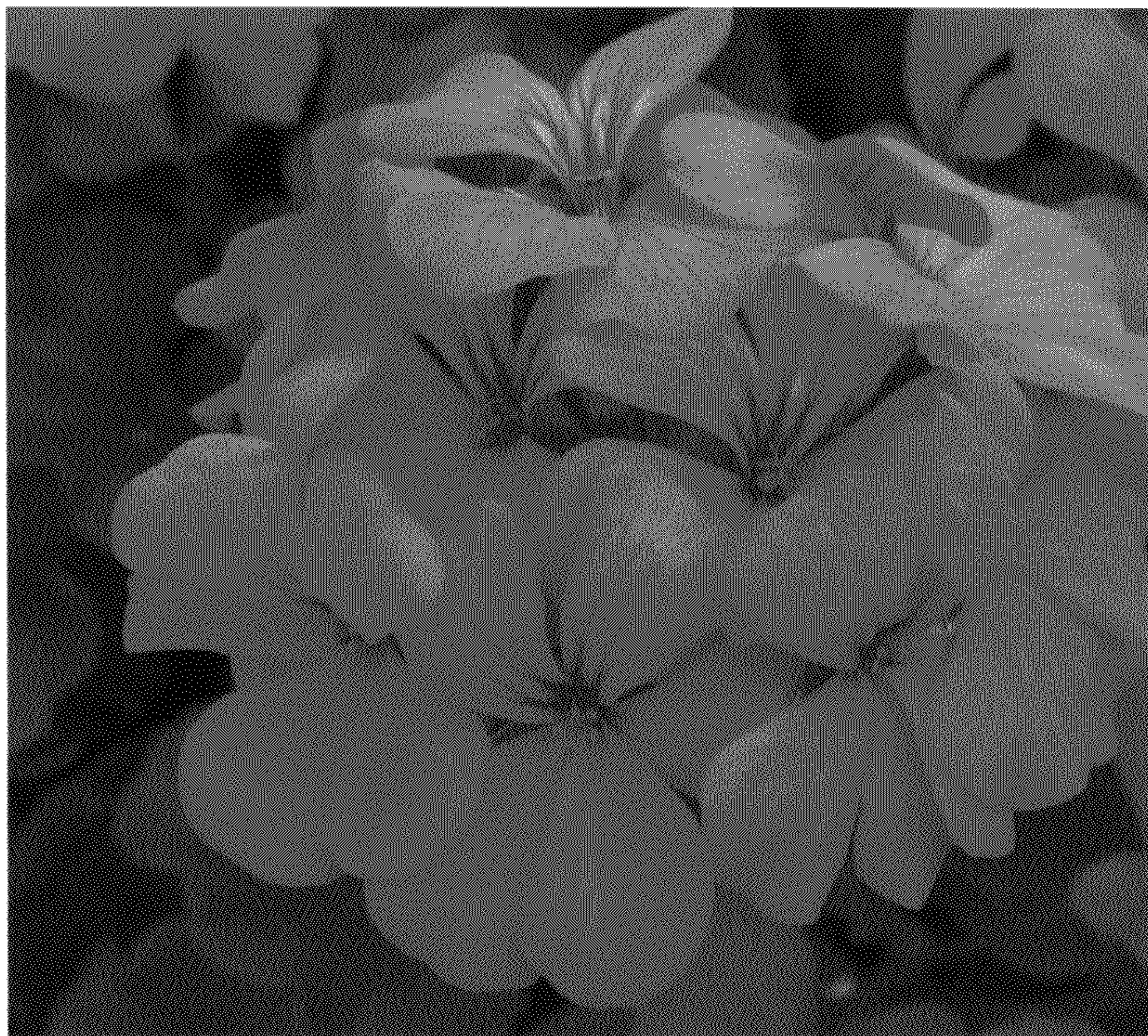


FIGURE 2