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

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(54) **PELARGONIUM PLANT NAMED ‘PEQZ0029’**

(51) **Int. Cl.**  
**A01H 5/02** (2018.01)

(50) Latin Name: *Pelargonium interspecific*  
Varietal Denomination: **PEQZ0029**

(52) **U.S. Cl.**  
USPC ..... **Plt./324**  
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(58) **Field of Classification Search**  
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See application file for complete search history.

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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 13 days.

(57) **ABSTRACT**

A new *Pelargonium* plant named ‘PEQZ0029’ particularly  
distinguished by the white inflorescences held above the  
medium-green foliage on a plant that has good branching  
and is very free flowering.

(21) Appl. No.: **15/731,598**

(22) Filed: **Jul. 6, 2017**

**1 Drawing Sheet**

**1**

**2**

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

Varietal denomination: ‘PEQZ0029’.

**BACKGROUND OF THE NEW PLANT**

The present invention comprises a new *Pelargonium*,  
botanically known as *Pelargonium interspecific*, and here-  
inafter referred to by the variety name ‘PEQZ0029’.

‘PEQZ0029’ is a product of a planned breeding program.  
The new cultivar ‘PEQZ0029’ has white 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.

‘PEQZ0029’ originates from a crosses in a controlled  
breeding program performed from January to June 2009, in  
a greenhouse in Guatemala. The female parent was an  
unpatented, proprietary plant of *P. interspecific* parentage,  
identified as ‘10983-1’ with white flowers and semi double  
flower form whereas the new cultivar ‘PEQZ0029’ has a  
single flower form.

The male parent of ‘PEQZ0029’ was an unpatented,  
proprietary plant of *P. interspecific* parentage, identified as  
‘10983-2’ with white florets with a little pinking compared  
to the new cultivar ‘PEQZ0029’ that has pure white flowers.  
The resultant seed was sown in November 2009.

‘PEQZ0029’ was selected as one flowering plant within  
the progeny of the stated cross in February 2010 in a  
greenhouse in Gilroy, Calif.

The first act of asexual reproduction of ‘PEQZ0029’ was  
accomplished when vegetative cuttings were propagated  
from the initial selection in the April 2010 in a greenhouse  
in Gilroy, Calif.

**BRIEF SUMMARY OF INVENTION**

Horticultural examination of plants grown from cuttings  
of the plant initiated in June 2010 in Gilroy, Calif., and  
continuing thereafter, has demonstrated that the combination

of characteristics as herein disclosed for ‘PEQZ0029’ are  
firmly fixed and are retained through successive generations  
of asexual reproduction.

‘PEQZ0029’ has not been observed under all possible  
environmental conditions. The phenotype may vary signifi-  
cantly with variations in environment such as temperature,  
light intensity, and day length.

A Plant Breeder’s Right for this cultivar has not been  
applied for. ‘PEQZ0029’ has not been made publicly avail-  
able 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  
‘PEQZ0029’ 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 distin-  
guishes this *Pelargonium* as a new and distinct variety.

**BRIEF DESCRIPTION OF THE PHOTOGRAPHS**

The accompanying photographic drawing shows typical  
flower and foliage characteristics of ‘PEQZ0029’ with the  
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 2017 under natural light. These  
plants were approximately 12 weeks old and were grown in  
a 4 inch pots, in a greenhouse trial. The plants shown in the  
photographs were taken in June 2017.

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

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'PEQZ0029' AND A MOST SIMILAR VARIETY		
	'PEQZ0029'	'Amri White09' (U.S. Plant Pat. No. 20,276)
Floret size:	Similar	Similar to PEQZ0029
Floret petal color:	White	White
Number of flowers:	Many	Fewer
Plant habit:	Wide growing	Upright growing

## Plant:

*Form, growth and habit.*—Upright, outwardly spreading habit, heat and drought tolerant with continuous color through the most extreme summer heat, edema tolerance, and well-branched plant.

*Plant height.*—14-18 cm.

*Plant height (inflorescence included).*—26-32 cm.

*Plant width.*—45-50 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 144A.

*Immature leaf, lower surface.*—Closest to RHS 144A.

*Mature leaf, color upper surface.*—Closest to RHS 137B with slightly lighter mottling.

*Mature leaf, color lower surface.*—Closest to RHS 137C.

*Length.*—9-10 cm.

*Width.*—10-11 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.*—5-7.

*Color of stem.*—Between RHS 144A and RHS 144B.

*Length of stem.*—15-18 cm.

*Diameter.*—0.5-0.9 cm.

*Length of internodes.*—3.0-4.5 cm.

*Texture.*—Sparsely hirsute, pilose, glandular hairs.

## Peduncle:

*Color of peduncle.*—RHS 137C.

*Length of peduncle.*—20-22 cm.

*Peduncle diameter.*—0.3-0.35 cm.

*Texture.*—Hirsute, glandular hairs.

## Pedicel:

*Color of pedicel.*—RHS 144A.

*Length of pedicel.*—2.7-3.0 cm.

*Diameter of pedicel.*—0.15-0.2 cm.

*Texture.*—Sparsely pilose, glandular hairs.

## Bud (just before opening):

*Color.*—Closest to RHS 158B.

*Length.*—1.7 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.*—2 with 2-4 immature umbels in various stages.

*Fragrance.*—None.

*Umbel diameter.*—9-12 cm.

*Umbel depth.*—6-7 cm.

## Corolla:

*Form.*—Single.

*Number of petals.*—5.

*Diameter of flower.*—5.0-5.5.

*Depth of flower.*—2.5-3.0 cm.

*Color upper petals, upper surface.*—Closest to RHS 155D.

*Color upper petals, lower surface.*—Closest to RHS 155D.

*Length of upper petals.*—3.1 cm.

*Width of upper petals.*—2.5-2.7 cm.

*Color lower petals, upper surface.*—Closest to RHS 155D.

*Color lower petals, lower surface.*—Closest to RHS 155D.

*Length of lower petals.*—2.8-3.0 cm.

*Width of lower petals.*—2.8 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.

*Length of sepals.*—1.2 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.

## Reproductive organs:

## Gynoecium:

*Pistil.*—1.

*Length.*—1.1 cm.

*Style color.*—Closest to RHS 160B.

*Style length.*—0.5 cm.

*Stigma color.*—Closest to RHS 160B.

*Ovary color.*—RHS 144A.

*Ovary length.*—0.5 cm.

*Ovary diameter.*—0.2 cm.

## Androecium:

*Number of stamens.*—10.

*Color of filaments.*—RHS 155D.

*Length filaments.*—0.7 cm.

*Anther color.*—Closest to RHS 31A.

*Length of anthers.*—0.2 cm.

*Color of pollen.*—RHS 25B.

*Pollen amount.*—Normal.

*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 'PEQZ0029' substantially as illustrated and described herein.

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FIG. 1



FIG. 2