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Geibel

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(54) **GERANIUM PLANT NAMED**
'PACWHIPEARL'

(50) Latin Name: *Pelargonium peltatum*
Varietal Denomination: **Pacwhipearl**

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patent is extended or adjusted under 35
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(58) **Field of Classification Search** **Plt./332**
See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct cultivar of Ivy Geranium plant named
'Pacwhipearl', characterized by its compact, outwardly
spreading to trailing and cascading plant habit; freely branch-
ing habit; dark green-colored leaves; freely flowering habit;
semi-double to double-type white-colored flowers; and rela-
tively good garden performance.

1 Drawing Sheet

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Botanical designation: *Pelargonium peltatum*.
Cultivar denomination: 'PACWHIPEARL'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of Ivy Geranium plant, botanically known as *Pelargonium*
peltatum, and hereinafter referred to by the name
'Pacwhipearl'.

The new Ivy Geranium plant is a product of a planned
breeding program conducted by the Inventor in Dresden,
Germany. The objective of the breeding program is to create
new freely flowering Ivy Geranium plants with uniform plant
habit and attractive flower coloration.

The new Ivy Geranium plant originated from a cross-pol-
lination made by the Inventor in Dresden, Germany during
the summer of 2005 of two unnamed proprietary selections of
Pelargonium peltatum, not patented. The new Ivy Geranium
plant was discovered and selected by the Inventor as a flow-
ering plant from within the progeny of the stated cross-poll-
ination in a controlled greenhouse environment in Dresden,
Germany in June, 2006.

Asexual reproduction of the new Ivy Geranium plant by
vegetative terminal cuttings in a controlled greenhouse envi-
ronment in Dresden, Germany since December, 2006, has
shown that the unique features of this new Ivy Geranium plant
are stable and reproduced true to type in successive genera-
tions.

SUMMARY OF THE INVENTION

Plants of the new Ivy Geranium have not been observed
under all possible environmental conditions. The phenotype
may vary somewhat with variations in environment and cul-
tural practices such as temperature and light intensity with-
out, however, any variance in genotype.

The following traits have been repeatedly observed and are
determined to be the unique characteristics of 'Pacwhipearl'.
These characteristics in combination distinguish
'Pacwhipearl' as a new and distinct cultivar of Ivy Geranium:

1. Compact, outwardly spreading to trailing and cascading
plant habit.
2. Freely branching habit.
3. Dark green-colored leaves.

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4. Freely flowering habit.
5. Semi-double to double-type white-colored flowers.
6. Relatively good garden performance.

Plants of the new Ivy Geranium differ primarily from
plants of the parent selections in plant vigor, plant uniformity
and flower color.

Plants of the new Ivy Geranium can be compared to plants
of the *Pelargonium peltatum* 'Guitoublanc', disclosed in U.S.
Plant Pat. No. 9,728. In side-by-side comparisons conducted
in Dresden, Germany, plants of the new Ivy Geranium dif-
fered from plants of 'Guitoublanc' in the following charac-
teristics:

1. Plants of the new Ivy Geranium were not as compact as
plants of 'Guitoublanc'.
2. Leaves of plants of the new Ivy Geranium did not have a
distinct zonation pattern whereas leaves of plants of
'Guitoublanc' had a distinct zonation pattern.
3. Plants of the new Ivy Geranium had larger flowers with
more petaloids than plants of 'Guitoublanc'.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the over-
all appearance of the new Ivy Geranium 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 Ivy Geranium plant. The photograph comprises a side
perspective view of a typical flowering plant of 'Pacwhipearl'
grown in a container.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observa-
tions, measurements and values describe plants grown in
19-cm containers in Dresden, Germany in a glass-covered
greenhouse during the summer and autumn under conditions
which closely approximate commercial Ivy Geranium pro-
duction. During the production of the plants, day tempera-
tures ranged from 18° C. to 20° C., night temperatures aver-
aged 18° C. and light levels ranged from 15 kilolux to 75
kilolux. Plants were pinched twice and were seven months old
when the photograph was taken and were nine months old

when the description was taken. In the detailed description, color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Pelargonium peltatum* 5
'Pacwhipearl'.

Parentage:

Female, or seed, parent.—Unnamed proprietary selection of *Pelargonium peltatum*, not patented.

Male or pollen parent.—Unnamed proprietary selection 10
of *Pelargonium peltatum*, not patented.

Propagation:

Type.—By vegetative terminal cuttings.

Time to initiate roots, summer.—About 18 days at temperatures of 20° C. 15

Time to initiate roots, winter.—About 22 days at temperatures of 20° C.

Time to produce a rooted young plant, summer and winter.—About four weeks at temperatures of 20° C.

Root description.—Fine, fibrous; white in color. 20

Rooting habit.—Freely branching; dense.

Plant description:

Plant and growth habit.—Compact, outwardly spreading to trailing and cascading plant habit; moderately vigorous growth habit; rapid growth rate. 25

Branching habit.—Freely basal branching habit with about 20 lateral branches developing per plant.

Plant height, to top of umbels.—About 30 cm.

Plant height, to top of leaves.—About 25 cm.

Plant width.—About 55 cm. 30

Lateral branches.—Length: About 40 cm. Diameter: About 4 mm. Internode length: About 2 cm. Texture: Pubescent. Color: Close to 138B.

Foliage description:

Arrangement.—Opposite; simple. 35

Length.—About 3.5 cm.

Width.—About 6 cm.

Shape.—Ivy-shaped, lobed.

Apex.—Acute.

Base.—Cordate. 40

Margin.—Entire with lobes.

Venation pattern.—Palmate.

Texture, upper and lower surfaces.—Slightly pubescent; leathery.

Color.—Developing and fully expanded leaves, upper surface: Close to 137A; venation, close to 137A. 45

Developing and fully expanded leaves, lower surface: Close to 137C; venation, close to 137C. Zonation pattern: Not observed. Petiole: Length: About 3 cm.

Diameter: About 2 mm. Texture, upper and lower surfaces: Pubescent; slightly rough. Color, upper and lower surfaces: Close to 137C. 50

Flower description:

Flower arrangement.—Semi-double to double-type rounded flowers arranged in hemispherical umbels; umbels arising from apical leaf axils and displayed above the foliage on strong peduncles; flowers face upright to outward depending on position in umbel. 55

Fragrance.—None detected.

Quantity of flowers.—Freely flowering habit; numerous umbels develop per plant, each umbel with about ten open flowers. 60

Flowering season.—Plants begin flowering about 105 days after planting; in the garden in Dresden, Germany, plants flower continuously from May until frost in the autumn. 65

Flower longevity.—Individual flowers last about six to ten days on the plant; umbels last about three to four weeks on the plant; flowers persistent.

Umbel height.—About 5 cm.

Umbel diameter.—About 9 cm.

Flower diameter.—About 5 cm.

Flower depth (height).—About 1.5 cm.

Flower buds.—Length: About 1.2 cm. Diameter: About 5 mm. Shape: Roughly spindle-shaped. Color: Close to 144A.

Petals.—Quantity per flower: About five. Length: About 2.5 cm. Width: About 1.8 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous; velvety. Color: When opening and fully opened, upper surface: Close to 155D; venation, close to 155D. When opening and fully opened, lower surface: Close to 155D; venation, close to 155D; occasional markings, close to 67A.

Petaloids.—Quantity per flower: About 25. Length: About 1 cm to 2 cm. Width: About 5 mm to 15 mm. Shape: Irregular. Apex: Acute to rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Rugose, glabrous; velvety. Color: When opening and fully opened, upper surface: Close to 155D; venation, close to 155D. When opening and fully opened, lower surface: Close to 155D; venation, close to 155D.

Sepals.—Quantity per flower: About five. Length: About 1.2 cm. Width: About 2 mm. Shape: Lanceolate. Apex: Acute. Margin: Entire. Texture, upper and lower surfaces: Slightly pubescent. Color, upper and lower surfaces: Close to 144A.

Peduncle (umbel stem).—Length: About 12 cm. Diameter: About 3 mm. Strength: Strong, flexible. Angle: Erect to outwardly spreading. Texture: Slightly pubescent. Color: Close to 144A.

Pedicel (individual flower stem).—Length: About 2 cm. Diameter: About 2 mm. Strength: Strong; flexible. Texture: Slightly pubescent. Color: Close to 144A.

Reproductive organs.—Androecium: Stamen quantity per flower: About five. Anther length: About 2 mm. Anther shape: Tubular. Anther color: Close to 200A. Pollen amount: Scarce. Pollen color: Close to 163C. Gynoecium: Pistil quantity per flower: One. Pistil length: About 5 mm. Stigma shape: Five-parted. Stigma color: Purple red. Style length: About 1 cm. Style color: Purple red. Ovary color: Close to 148B.

Seeds/fruits.—Seed and fruit development have not been observed on plants of the new Ivy Geranium.

Disease/pest resistance: Plants of the new Ivy Geranium have not been observed to be resistant to pathogens and pests common to Ivy Geraniums.

Garden performance: Plants of the new Ivy Geranium have been observed to tolerate rain, wind and temperatures ranging from about 1° C. to about 35° C. to 40° C. and have demonstrated relatively good garden performance.

It is claimed:

1. A new and distinct Ivy Geranium plant named 'Pacwhipearl' as illustrated and described.

