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Michalik

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(54) **GERANIUM PLANT NAMED ‘PACHAM’**

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

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patent is extended or adjusted under 35
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(52) **U.S. Cl.** **Plt./332**
(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
‘Pacham’, characterized by its upright, outwardly spreading
and trailing plant habit; vigorous growth habit; freely basal
branching habit; large single and light purple-colored flow-
ers; and good garden performance.

1 Drawing Sheet

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Botanical designation: *Pelargonium peltatum*.
Cultivar denomination: ‘Pacham’.

**CROSS-REFERENCE TO RELATED
APPLICATIONS**

The present application is co-pending with the following
application: *Geranium* Plant Named ‘Pacharl’ (U.S. Plant
patent application Ser. No. 11/073,468); Andrea Michalik,
applicant.

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 ‘Pacham’.

The new Ivy *Geranium* is a product of a planned breeding
program conducted by the Inventor in Dresden, Germany.
The objective of the breeding program was to develop new
large Ivy *Geraniums* with attractive flower coloration.

The new Ivy *Geranium* originated from a cross-
pollination made by the Inventor during 2001 of two pro-
prietary selections of *Pelargonium peltatum*, not patented.
The cultivar Pacham was discovered and selected by the
Inventor as a flowering plant within the progeny from the
stated cross-pollination in a controlled environment in
Dresden, Germany in 2002.

Asexual reproduction of the new cultivar by terminal
cuttings in a controlled environment in Dresden, Germany
since 2002 has shown that the unique features of this new
Ivy *Geranium* are stable and reproduced true to type in
successive generations of asexual reproduction.

SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and
are determined to be the unique characteristics of ‘Pacham’.
These characteristics in combination distinguish ‘Pacham’
as a new cultivar and distinguish it from other known Ivy
Geranium cultivars:

1. Upright, outwardly spreading and trailing plant habit.
2. Vigorous growth habit.
3. Freely basal branching habit.

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4. Large, single and light purple-colored flowers.
5. Good garden performance.

Plants of the new Ivy *Geranium* differ primarily from
plants of the parent selections in flower coloration.

Plants of the new Ivy *Geranium* can be compared to plants
of the cultivar Pacharl, disclosed in U.S. Plant patent appli-
cation Ser. No. 11/073,468. In side-by-side comparisons
conducted in Dresden, Germany, plants of the new Ivy
Geranium differed from plants of the cultivar Pacharl in the
following characteristics:

1. Plants of the new Ivy *Geranium* were smaller and had
shorter internodes than plants of the cultivar Pacharl.
2. Plants of the new Ivy *Geranium* had smaller leaves than
plants of the cultivar Pacharl.
3. Plants of the new Ivy *Geranium* had smaller umbels
than and were not as freely flowering as plants of the
cultivar Pacharl.
4. Flower color of plants of the new Ivy *Geranium* was
light purple whereas flower color of plants of the
cultivar Pacharl was scarlet red.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the
overall appearance of the new cultivar, showing the colors as
true as it is reasonably possible to obtain in colored repro-
ductions of this type. Flower and foliage 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*. The photograph com-
prises a side perspective view of a typical flowering plant of
‘Pacham’ grown in a container.

DETAILED BOTANICAL DESCRIPTION

Plants of the cultivar Pacham have not been observed
under all possible environmental conditions. The phenotype
may vary somewhat with variations in environment, such as
temperature and light intensity, without, however, any vari-
ance in genotype.

The aforementioned photograph, following observations
and averaged measurements describe plants grown during
the spring in containers in Dresden, Germany, and under

commercial practice in a glass-covered greenhouse with day temperatures about 18° C., night temperatures about 16° C. and light levels less than 60,000 lux. Plants used for the photograph and the description were about four months old. In the following 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* cultivar Pacham.

Parentage:

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

Male, or pollen, parent.—Proprietary selection of *Pelargonium peltatum*, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots.—Summer: About 10 days at 23° C. Winter: About 12 days at 23° C.

Time to produce a rooted young plant.—Summer: About 28 days at 23° C. Winter: About 30 days at 23° C.

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

Rooting habit.—Freely branching, moderately dense.

Plant description:

General appearance.—Upright, outwardly spreading and trailing plant habit; uniformly mounded; densely foliated.

Growth and branching habit.—Vigorous growth habit. Freely basal branching habit with about seven lateral branches per plant.

Plant height, to top of umbels.—About 21 cm.

Plants height, to top of foliar plane.—About 17 cm.

Plant width.—About 18 to 25 cm.

Lateral branches.—Length: About 28 to 32 cm. Diameter: About 5 mm. Internode length: About 1 to 5 cm. Texture: Slightly pubescent. Color: Close to 144A.

Foliage description.—Arrangement: Alternate or opposite; simple. Length: About 2.5 cm. Width: About 3.5 cm. Shape: Palmate. Apex: Acute. Base: Cordate; open. Margin: Serrate. Venation pattern: Palmate. Texture, upper surface: Slightly pubescent; leathery. Texture, lower surface: Smooth, glabrous; leathery. Color: Developing foliage, upper surface: 137B. Developing foliage, lower surface: 137C. Fully expanded foliage, upper surface: 137A; venation, similar to lamina. Fully expanded foliage, lower surface: 137C; venation, similar to lamina. Zonation pattern: Intensity: Moderate. Location of zone from margin: About 1.5 cm. Width: About 1.3 cm. Color: 146A. Petiole: Length: About 4 to 5 cm. Diameter: About 2 mm. Texture, upper and lower surfaces: Slightly pubescent. Color, upper and lower surfaces: Close to 144A.

Flower description:

Flower arrangement.—Light purple-colored flowers; single rotate flowers arranged in rounded hemispherical umbels arising from apical leaf axils. Umbels displayed above the foliage on strong peduncles. Flowers face upright to outwardly; flow-

ers mostly flat. Flowers not persistent. Flowers not fragrant.

Quantity of flowers.—About five flower buds and open flowers per umbel.

Flowering season.—Year-round under greenhouse conditions. In the garden in Dresden, Germany, flowering is continuous during the spring and summer.

Flower longevity.—Individual flowers last about five to seven days on the plant.

Umbel height.—About 3.5 cm.

Umbel diameter.—About 6 cm.

Flower diameter.—About 4.5 cm.

Flower depth (height).—About 1.8 cm.

Flower buds.—Length: About 1.4 cm. Diameter: About 5 mm. Shape: Elliptic. Color: Close to 144A.

Petals.—Quantity per flower: About five. Length: About 2.8 cm. Width: About 2 cm. Shape: Obovate. Apex: Rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous; satiny. Color: When opening and fully opened, upper surface: Close to 77B; towards the base, close to 155D; venation, 61A. When opening and fully opened, lower surface: Close to 77D; towards the base, close to 155D; venation, 61B.

Petaloids.—None observed.

Sepals.—Quantity per flower: Five, arranged in a single whorl. Length: About 1.3 cm. Width: About 3 mm. Shape: Lanceolate. Apex: Acute. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 144A overlain with 181A.

Peduncle (umbel stem).—Length: About 5 to 7 cm. Diameter: About 2 to 3 cm. Strength: Strong. Texture: Pubescent. Color: Close to 146B.

Pedicle (individual flower stem).—Length: About 3 cm. Diameter: About 2 mm. Strength: Strong. Texture: Slightly pubescent. Color: Close to 146B overlain with 181A.

Reproductive organs.—Androecium: Stamen quantity per flower: About six. Anther length: About 2 mm. Anther shape: Oblong. Anther color: White. Pollen amount: Abundant. Pollen color: Orange. Gynoecium: Pistil quantity per flower: One. Pistil length: About 1 cm. Stigma shape: Five-parted. Stigma color: Pink. Style length: About 4 mm. Style color: White. Ovary color: Close to 144A.

Seed.—Length: About 3 to 4 mm. Diameter: About 1 mm. Shape: Oval. Color: Brown.

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 5 to 30° C. and have demonstrated good garden performance.

It is claimed:

1. A new and distinct cultivar of Ivy *Geranium* plant named 'Pacham', as herein illustrated and described.

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