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

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

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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
‘Pacharl’, characterized by its upright, outwardly spreading
and trailing plant habit; vigorous growth habit; freely basal
branching and flowering habit; large, single and scarlet
red-colored flowers; and good garden performance.

1 Drawing Sheet

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

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 ‘Pacharl’.

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 Pacharl 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 ‘Pacharl’.
These characteristics in combination distinguish ‘Pacharl’ 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 and flowering habit.
4. Large, single and scarlet red-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 Pacham, not patented. In side-by-side com-
parisons conducted in Dresden, Germany, plants of the new

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Ivy *Geranium* differed from plants of the cultivar Pacham in
the following characteristics:

1. Plants of the new Ivy *Geranium* were larger and had
longer internodes than plants of the cultivar Pacham.
2. Plants of the new Ivy *Geranium* had larger leaves than
plants of the cultivar Pacham.
3. Plants of the new Ivy *Geranium* had larger umbels and
were more freely flowering than plants of the cultivar
Pacham.
4. Flower color of plants of the new Ivy *Geranium* was
scarlet red whereas flower color of plants of the cultivar
Pacham was purple.

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
‘Pacharl’ grown in a container.

DETAILED BOTANICAL DESCRIPTION

Plants of the cultivar Pacharl 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 signifi-
cance are used.

Botanical classification: *Pelargonium peltatum* cultivar Pacharl.

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 25 cm.

Plant height, to top of foliar plane.—About 18 cm.

Plant width.—About 30 cm.

Lateral branches.—Length: About 17 to 25 cm. Diameter: About 5 mm. Internode length: About 2 to 7 cm. Texture: Slightly pubescent. Color: Close to 144A.

Foliage description.—Arrangement: Alternate or opposite; simple. Length: About 4 cm. Width: About 7 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 and fully expanded foliage, upper surface: 146A; venation, similar to lamina. Developing and fully expanded foliage, lower surface: 146B; venation, close to 143A. Zonation pattern: Intensity: Weak. Location of zone from margin: About 2 cm. Width: About 2.5 cm. Color: 137A. Petiole: Length: About 3 to 4 cm. Diameter: About 1.5 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: Close to 144A.

Flower description:

Flower arrangement.—Scarlet red-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 outward; flowers mostly flat. Flowers not persistent. Flowers not fragrant.

Quantity of flowers.—Freely flowering habit; about 10 to 24 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 eight days on the plant.

Umbel height.—About 5 cm.

Umbel diameter.—About 8 cm.

Flower diameter.—About 4 to 4.5 cm.

Flower depth (height).—About 1 cm.

Flower buds.—Length: About 1.5 cm. Diameter: About 5 mm. Shape: Elliptic. Color: Close to 144A.

Petals.—Quantity per flower: About five. Length: About 2.8 cm. Width: About 1.6 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 44A to 44B; towards the base, close to 155D; venation, 60A. When opening and fully opened, lower surface: Close to 44B; towards the base, close to 155D; venation, 60B.

Petaloids.—None observed.

Sepals.—Quantity per flower: Five, arranged in a single whorl. Length: About 1.4 cm. Width: About 5 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 6 to 10 cm. Diameter: About 2 to 3 mm. Strength: Strong. Texture: Pubescent. Color: Close to 146B.

Pedicle (individual flower stem).—Length: About 2.5 to 3 cm. Diameter: About 2 mm. Strength: Strong. Texture: Slightly pubescent. Color: 146B overlain with 181A.

Reproductive organs.—Androecium: Stamen quantity per flower: About six to eight. Anther length: About 2 mm. Anther shape: Oblong. Anther color: Light pink. Pollen amount: Abundant. Pollen color: Orange. Gynoecium: Pistil quantity per flower: One. Pistil length: About 1.3 cm. Stigma shape: Five-parted. Stigma color: Reddish pink. Style length: About 3 mm. Style color: White. Ovary color: Close to 144A.

Seed.—Length: About 2 to 3 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 'Pacharl', as herein illustrated and described.

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