



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

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(54) **GERANIUM PLANT NAMED ‘CAMBI’**

(56) **References Cited**

(50) Latin Name: *Pelargonium grandiflorum*
Varietal Denomination: **Cambi**

PUBLICATIONS

(75) Inventor: **Andrea Michalik**, Dresden (DE)

UPOV–Rom Gtüm, Plant Variety Database, Jun. 2008, GTI
Jouve Retrieval Software, citation for ‘Cambi’.*

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* cited by examiner

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./331**

(58) **Field of Classification Search** **Plt./331**
See application file for complete search history.

(57) **ABSTRACT**

A new and distinct cultivar of Regal *Geranium* plant named
‘Cambi’, characterized by its upright, outwardly spreading
and mounded plant habit; vigorous growth habit; freely
basal branching habit; relatively small leaves; early and
freely flowering habit; red purple and pale purple bi-colored
flowers; and no requirement for cooling treatment for flower
development.

1 Drawing Sheet

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Botanical designation: *Pelargonium grandiflorum*.
Cultivar denomination: ‘Cambi’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of Regal *Geranium*, botanically known as *Pelargonium*
grandiflorum, and hereinafter referred to by the name
‘Cambi’.

The new Regal *Geranium* is a product of a planned breed-
ing program conducted by the Inventor in Dresden, Ger-
many. The objective of the breeding program is to develop
new Regal *Geraniums* that do not require a cooling treat-
ment for flower development.

The new Regal *Geranium* originated from a cross-
pollination made by the Inventor in Dresden, Germany dur-
ing the summer of 2003 of two unnamed proprietary selec-
tions of *Pelargonium grandiflorum*, not patented. The new
Regal *Geranium* was discovered and selected by the Inven-
tor as a flowering plant from within the progeny of the stated
cross-pollination in a controlled greenhouse environment in
Dresden, Germany during the spring of 2004.

Asexual reproduction of the new Regal *Geranium* by veg-
etative terminal cuttings in a controlled greenhouse environ-
ment in Dresden, Germany since October, 2004, has shown
that the unique features of this new Regal *Geranium* are
stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new Regal *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
without, however, any variance in genotype.

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The following traits have been repeatedly observed and
are determined to be the unique characteristics of ‘Cambi’.
These characteristics in combination distinguish ‘Cambi’ as
a new and distinct cultivar of Regal *Geranium*:

- 5 1. Upright, outwardly spreading and mounded plant habit.
2. Vigorous growth habit.
3. Freely basal branching habit.
4. Relatively small leaves.
- 10 5. Early and freely flowering habit.
6. Red purple and pale purple bi-colored flowers.
7. Does not require cooling treatment for flower develop-
ment.

Plants of the new Regal *Geranium* differ primarily from
15 plants of the parent selections in flower coloration. In
addition, plants of the new Regal *Geranium* are more uni-
form than plants of the parent selections.

Plants of the new Regal *Geranium* can be compared to
plants of the *Pelargonium grandiflorum* ‘Camvio’, disclosed
20 in a U.S. Plant patent application Ser. No. 12/214,575, filed
concurrently. In side-by-side comparisons conducted in
Dresden, Germany, plants of the new Regal *Geranium* dif-
fered from plants of ‘Camvio’ in the following characteris-
tics:

- 25 1. Plants of the new Regal *Geranium* were shorter and
broader than plants of ‘Camvio’.
2. Plants of the new Regal *Geranium* had smaller leaves
than plants of ‘Camvio’.
3. Plants of the new Regal *Geranium* and ‘Camvio’ dif-
30 fered in flower color.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the
overall appearance of the new Regal *Geranium*, showing the
35 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 Regal *Geranium*. The photograph comprises a side perspective view of a typical flowering plant of 'Cambi' grown in a container.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations, measurements and values describe plants grown in Dresden, Germany in a glass-covered greenhouse during the winter and spring and under conditions which closely approximate commercial Regal *Geranium* production. During the production of the plants, day temperatures averaged 18° C., night temperatures averaged 16° C. and light levels ranged from 15 kilolux to 100 kilolux. Plants were six months from planting when the photograph and the description were 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 grandiflorum* 'Cambi'.

Parentage:

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

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

Propagation:

Type.—By vegetative terminal cuttings.

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

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

Time to produce a rooted young plant, summer and winter.—About 30 days at temperatures of 20° C.

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

Rooting habit.—Freely branching; dense.

Plant description:

Plant/growth habit.—Upright, outwardly spreading and mounded plant habit; broad inverted triangle; densely foliated. Vigorous growth habit. Freely basal branching habit with about 17 lateral branches developing per plant.

Plant height, to top of umbels.—About 27 cm.

Plant height, to top of leaves.—About 20 cm.

Plant width.—About 43 cm.

Lateral branches.—Length: About 8 cm. Diameter: About 8 mm. Internode length: About 2 cm to 3 cm. Texture: Pubescent. Color: Close to 144A.

Foliage description:

Arrangement.—Alternate or opposite; simple.

Length.—About 5 cm.

Width.—About 7 cm.

Shape.—Cordate; palmately lobed.

Apex.—Acute.

Base.—Cordate, open.

Margin.—Serrate to biserrate.

Venation pattern.—Palmate.

Texture, upper surface.—Smooth, glabrous; leathery.

Texture, lower surface.—Slightly pubescent on veins; leathery.

Color.—Developing foliage, upper surface: Close to 144A. Developing foliage, lower surface: Close to 147C. Fully expanded foliage, upper surface: Close to 137B; venation, close to 137B. Fully expanded foliage, lower surface: Close to 147B; venation, close to 144A. Zonation pattern: Not discernible.

Petiole: Length: About 5 cm. Diameter: About 2 mm. Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: Close to 144A.

Flower description:

Flower arrangement.—Single rotate flowers arranged in inversely conical umbels arising from apical leaf axils. Umbels displayed above the foliage on strong peduncles. Flowers face upright to outward. Flowers not persistent. Flowers not fragrant.

Quantity of flowers.—Freely flowering habit; about five to six flowers per umbel.

Flowering season.—In Dresden, Germany, flowering initiates in the spring and continues throughout the summer into the autumn. Plants do not require a cooling treatment for flower development.

Flower longevity.—Individual flowers last about two weeks on the plant.

Umbel height.—About 5 cm.

Umbel diameter.—About 8 cm.

Flower diameter.—About 4.5 cm.

Flower depth (height).—About 3 cm.

Flower buds.—Length: About 1.5 cm. Diameter: About 7 mm. Shape: Roughly elliptical. Color: Close to 146B.

Petals.—Quantity per flower: Five; imbricate. Length, upper petals: About 3.5 cm. Width, upper petals: About 3 cm. Length, lower petals: About 3 cm. Width lower petals: About 2 cm. Shape: Obovate. Apex: Rounded. Base: Cuneate to attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous; satiny. Color: When opening, upper and lower surfaces: Centers, close to 59A; towards the margins, close to 76D. Fully opened, upper and lower surfaces: Centers, close to 59A; towards the margins, close to 76D; venation, close to 61A.

Sepals.—Quantity per flower: Five, arranged in a single whorl. Length: About 1.7 cm. Width: About 3 mm. Shape: Lanceolate. Apex: Acute. Margin: Entire. Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: Close to 146B.

Peduncle (umbel stem).—Length: About 4 cm. Diameter: About 2 mm. Strength: Strong. Angle: Mostly erect to slightly outwardly slanted. Texture: Pubescent. Color: Close to 146B.

Pedice (individual flower stem).—Length: About 2.5 cm. Diameter: About 1 mm. Strength: Strong; flexible. Texture: Pubescent. Color: Close to 146B.

Reproductive organs.—Androecium: Stamen quantity per flower: About eight. Anther length: About 2 mm. Anther shape: Tubular. Anther color: Close to 167A. Pollen amount: Abundant. Pollen color: Close to 167A. Gynoecium: Pistil quantity per flower: One. Pistil length: About 1.7 cm. Stigma shape: Five to seven-parted. Stigma color: Darker than 59A. Style length: About 1 cm. Style color: Darker than 71A. Ovary color: Close to 146C. Seeds: Seed development has not been observed on plants of the new Regal *Geranium*.

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

Temperature tolerance: Plants of the new Regal *Geranium* have been observed to tolerate temperatures ranging from about 1° C. to about 35° C. to 40° C.

It is claimed:

1. A new and distinct Regal *Geranium* plant named 'Cambi' as illustrated and described.

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