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

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

CPC ... A01H 5/02; A01H 5/00; A01H 6/42; A01H 6/425

See application file for complete search history.

(50) Latin Name: *Pelargonium x hortorum* X  
*Pelargonium peltatum*  
Varietal Denomination: **Pactiopispl**

(56) **References Cited**

**PUBLICATIONS**

(71) Applicant: **ELSNER pac JUNGPFANZEN**  
**GbR**, Thiendorf (DE)

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\* cited by examiner

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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 0 days.

(21) Appl. No.: **16/873,688**

(57) **ABSTRACT**

(22) Filed: **Jun. 1, 2020**

A new and distinct interspecific Geranium plant named ‘Pactiopispl’, characterized by its broadly upright and mounding plant habit; vigorous growth habit; freely basal branching habit; dark green-colored leaves; early and freely flowering habit; and relatively large purplish pink-colored semi-double flowers with red-colored centers that are held above the foliar plane on strong peduncles.

(51) **Int. Cl.**  
*A01H 5/02* (2018.01)  
*A01H 6/42* (2018.01)

(52) **U.S. Cl.**  
USPC ..... **Plt./324**

(58) **Field of Classification Search**  
USPC ..... Plt./329, 328, 324, 332

**1 Drawing Sheet**

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Botanical designation: *Pelargonium x hortorum* X *Pelargonium peltatum*.

Cultivar denomination: ‘PACTIOPISPL’.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar of interspecific Geranium plant, botanically known as *Pelargonium x hortorum* X *Pelargonium peltatum*, and hereinafter referred to by the cultivar name ‘Pactiopispl’.

The new interspecific 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 develop new vigorous interspecific Geranium plants with dark colored leaves and bi-colored flowers.

The new interspecific Geranium plant originated from a cross-pollination made by the Inventor in Dresden, Germany during the summer of 2016 of an unidentified proprietary selection of *Pelargonium x hortorum*, not patented, as the female, or seed, parent with an unidentified proprietary selection of *Pelargonium peltatum*, not patented, as the male, or pollen, parent. Seed was collected from a number of potential parent plants, combined and sown. The new interspecific Geranium plant was discovered and selected by the Inventor as a single flowering plant from within the progeny of the stated mass cross-pollination in a controlled greenhouse environment in Dresden, Germany during the spring of 2017.

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Asexual reproduction of the new interspecific Geranium plant by vegetative terminal cuttings in a controlled greenhouse environment in Dresden, Germany since January, 2018 has shown that the unique features of this new interspecific Geranium plant are stable and reproduced true to type in successive generations.

**SUMMARY OF THE INVENTION**

Plants of the new interspecific Geranium have not been observed under all possible combinations of environmental conditions and cultural practices. The phenotype may vary somewhat with variations in environmental conditions such as temperature and light intensity without, however, any variance in genotype.

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

1. Broadly upright and mounding plant habit.
2. Vigorous growth habit.
3. Freely basal branching habit.
4. Dark green-colored leaves.
5. Early and freely flowering habit.
6. Relatively large purplish pink-colored semi-double flowers with red-colored centers that are held above the foliar plane on strong peduncles.



Plants of the new interspecific *Geranium* can be compared to plants of the *Pelargonium x hortorum* 'Pactiohopispl', disclosed in U.S. Plant patent application Ser. No. 16/873, 687. In side-by-side comparisons, plants of the new interspecific *Geranium* differ from plants of 'Pactiohopispl' in the following characteristics:

1. Flowers of plants of the new interspecific *Geranium* are semi-double types whereas flowers of plants of 'Pactiohopispl' are single types.
2. Flowers of plants of the new interspecific *Geranium* are lighter purplish pink in color than flowers of plants of 'Pactiohopispl'.
3. Plants of the new interspecific *Geranium* have somewhat shorter peduncles than plants of 'Pactiohopispl'.

#### BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the overall appearance of the new interspecific *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 interspecific *Geranium* plant. The photograph comprises a side perspective view of a typical flowering plant of 'Pactiohopispl' grown in a container.

#### DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations, measurements and values describe plants grown in 19-cm containers during the spring, summer and autumn in a glass-covered greenhouse in Dresden, Germany and under cultural practices typical of commercial interspecific *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 four months old when the photograph was taken and nine months old when the detailed 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 x hortorum* X *Pelargonium peltatum* 'Pactiohopispl'.

Parentage:

*Female, or seed, parent.*—Unidentified proprietary selection of *Pelargonium x hortorum*, not patented.

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

Propagation:

*Type.*—By vegetative terminal cuttings.

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

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

*Time to produce a rooted young plant, summer.*—About four weeks at temperatures about 20° C.

*Time to produce a rooted young plant, winter.*—About four weeks at temperatures about 18° C.

*Root description.*—Fine, fibrous; typically white in color, actual color of the roots is dependent on substrate composition, water quality, fertilizers, substrate temperature and age of roots.

*Rooting habit.*—Freely branching; dense.

Plant description:

*Plant and growth habit.*—Broadly upright and mounding plant habit; broad inverted triangle; densely foliated; vigorous growth habit; rapid growth rate; freely basal branching habit with about three primary lateral branches each with about four secondary lateral branches developing per plant; pinching is typically not required.

*Plant height, to top of umbels.*—About 37 cm.

*Plant height, to top of foliar plane.*—About 25 cm.

*Plant width.*—About 50 cm.

*Lateral branches.*—Length: About 21 cm. Diameter: About 8 mm. Internode length: About 2 cm. Strength: Strong. Texture and luster: Moderately pubescent; semi-glossy. Color: Close to 146C.

Leaf description:

*Arrangement.*—Opposite; simple.

*Length.*—About 4.9 cm.

*Width.*—About 7.7 cm.

*Shape.*—Rounded to cordate.

*Apex.*—Rounded.

*Base.*—Cordate, open.

*Margin.*—Crenate.

*Venation pattern.*—Palmate.

*Texture and luster, upper and lower surfaces.*—Pubescent; coriaceous; matte.

*Color.*—Developing and fully expanded leaves, upper surface: Close to 147A; venation, close to 147A; no discernible zonal pattern. Developing and fully expanded leaves, lower surface: Close to 147B; venation, close to 147B.

*Petioles.*—Length: About 5.6 cm. Diameter: About 2 mm. Strength: Moderately strong. Texture and luster, upper and lower surfaces: Pubescent; semi-glossy. Color, upper and lower surfaces: Close to 147B.

Flower description:

*Flower arrangement and flowering habit.*—Relatively large semi-double flowers arranged in hemispherical umbels arising from apical leaf axils; umbels displayed above the foliar plane on strong peduncles; flowers face upright to outwardly depending on the position on the umbel; freely flowering habit with about twelve open flowers per umbel and numerous umbels developing per plant during the flowering season.

*Fragrance.*—None detected.

*Flowering season.*—Early flowering habit; plants begin flowering about 75 days after planting; in the garden in Germany, flowering begins in April and continues until frost in the autumn.

*Flower longevity.*—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 5.5 cm.

*Umbel diameter.*—About 9.5 cm.

*Flower diameter.*—About 5 cm.

*Flower depth (height).*—About 2.5 cm.

*Flower buds.*—Length: About 1 cm. Diameter: About 5 mm. Shape: Elliptic. Texture and luster: Pubescent; matte. Color: Close to 144A.

*Petals.*—Quantity per flower: About six; petals slightly imbricate. Length, upper petals: About 2.6 cm. Length, lower petals: About 2.4 cm. Width, upper and lower petals: About 2.1 cm. Shape: Obovate. Apex: Rounded. Base: Cuneate. Margin: Entire;



slightly undulate. Texture and luster, upper and lower surfaces: Smooth, glabrous; glossy. Color: When opening and fully opened, upper surface: Close to 57C; towards the base, stripes and spots, close to 45B and at the base, close to 57D to close to 155D; 5  
venation, faint, close to 45B; color does not change with development. When opening and fully opened, lower surface: Close to 62C; venation, close to 62B; color does not change with development.

*Petaloids*.—Quantity per flower: If present, about one 10  
or two. Length: About 1 cm. Width: About 5 mm. Shape: Irregular, roughly obovate. Apex: Acute to rounded. Base: Cuneate. Margin: Entire; moderately undulate. Texture and luster, upper and lower sur- 15  
faces: Smooth, glabrous; glossy. Color: When opening and fully opened, upper surface: Close to 57C; venation, close to 45B; color does not change with development. When opening and fully opened, lower surface: Close to 62C; venation, close to 62B; color 20  
does not change with development.

*Sepals*.—Quantity per flower: Five arranged in a single whorl. Length: About 1 cm to 1.2 cm. Width: About 3 mm to 4 mm. Shape: Lanceolate; not reflexing. Apex: Acute. Base: Truncate. Margin: Entire. Tex- 25  
ture and luster, upper surface: Smooth, glabrous; glossy. Texture and luster, lower surface: Pubescent; glossy. Color, upper and lower surfaces: Close to 144A.

*Peduncles (umbel stems)*.—Length: About 12 cm. 30  
Diameter: About 4 mm. Strength: Strong; flexible.

Angle: Mostly upright. Texture and luster: Pubescent; semi-glossy. Color: Close to 144A.

*Pedicels (individual flower stems)*.—Length: About 2.5 cm. Diameter: About 1 mm. Strength: Moderately strong; flexible; no swelling observed. Texture and luster: Pubescent; semi-glossy. Color: Close to 144A.

*Reproductive organs*.—Androecium: Stamen quantity per flower: About eleven. Filament length: About 5 mm. Filament color: Close to 155D. Anther size: About 1 mm by 2 mm. Anther shape: Tubular. Anther color: Close to 61A. Pollen amount: Scarce. Pollen color: Close to 167A. Gynoecium: Pistil quantity per flower: One. Pistil length: About 8 mm. Stigma diameter: About 4 mm. Stigma shape: Five-parted. Stigma color: Close to 58B. Style length: About 2 mm. Style color: Close to 58B. Ovary color: Close to 139D. Seeds and fruits: To date, seed and fruit development have not been observed on plants of the new interspecific Geranium.

Pathogen & pest resistance: To date, plants of the new interspecific Geranium have not been observed to be resistant to pathogens and pests common to interspecific Geraniums.

Temperature tolerance: Plants of the new interspecific Geranium have been observed to tolerate temperatures ranging from about 0.5° C. to about 40° C.

It is claimed:

1. A new and distinct interspecific Geranium plant named 'Pactiopispl' as illustrated and described.

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