

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

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(54) **GERANIUM PLANT NAMED ‘KLEP04131’**

(50) Latin Name: *Pelargonium×hortorum*  
Varietal Denomination: **KLEP04131**

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(73) Assignee: **Klemm + Sohn GmbH + Co. KG**,  
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patent is extended or adjusted under 35  
U.S.C. 154(b) by 64 days.

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(52) **U.S. Cl.** ..... **Plt./329**

(58) **Field of Classification Search** ..... **Plt./329**  
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

UPOV ROM GITITM Computer Database, GTI Jouve  
Retrieval Software 2006/05 Citations for ‘KLEP04131’.\*

\* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of Zonal *Geranium* plant named  
‘KLEP04131’, characterized by its upright and uniform  
plant habit; freely branching; early and freely flowering  
habit; light purple-colored flowers arranged in rounded  
umbels held above the foliage on upright and strong  
peduncles; and good garden performance.

**1 Drawing Sheet**

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Botanical designation: *Pelargonium×hortorum*.  
Cultivar denomination: ‘KLEP04131’.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar  
of Zonal *Geranium* plant, botanically known as  
*Pelargonium×hortorum*, and hereinafter referred to by the  
name ‘KLEP04131’.

The new Zonal *Geranium* is a product of a planned  
breeding program conducted by the Inventor in Stuttgart,  
Germany. The objective of the breeding program was to  
develop new freely branching Zonal *Geraniums* with upright  
and uniform plant habit and interesting flower and foliage  
colors.

The new Zonal *Geranium* originated from a cross-  
pollination made by the Inventor in July, 2000 of an  
unnamed proprietary selection of *Pelargonium×hortorum*,  
not patented, as the female, or seed, parent with an unnamed  
proprietary selection of *Pelargonium×hortorum*, not  
patented, as the male, or pollen, parent. The cultivar  
‘KLEP04131’ was discovered and selected by the Inventor  
as a flowering plant within the progeny from this cross-  
pollination in a controlled environment in Stuttgart,  
Germany, in June, 2001.

Asexual reproduction of the new cultivar by terminal  
cuttings in a controlled environment in Stuttgart, Germany  
since 2001 has shown that the unique features of this new  
Zonal *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  
‘KLEP04131’. These characteristics in combination distin-  
guish ‘KLEP04131’ as a new cultivar and distinguish it from  
other known Zonal *Geranium* cultivars:

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1. Upright and uniform plant habit.
2. Freely branching habit.
3. Early and freely flowering habit.
4. Light purple-colored flowers arranged in rounded  
umbels held above the foliage on upright and strong  
peduncles.
5. Good garden performance.

Plants of the new Zonal *Geranium* differ from plants of  
the parent selections primarily in growth habit as plants of  
the new Zonal *Geranium* are more vigorous than plants of  
the parent selections. In addition, plants of the new Zonal  
*Geranium* have a more distinct leaf zonation pattern than  
plants of the parent selections.

Plants of the new Zonal *Geranium* can be compared to  
plants of the cultivar Typhoon, not patented. In side-by-side  
comparisons conducted in Stuttgart, Germany, plants of the  
new Zonal *Geranium* differed from plants of the cultivar  
Typhoon in the following characteristics:

1. Leaf color of plants of the new Zonal *Geranium* was  
darker green than leaf color of plants of the cultivar  
Typhoon.
2. Flower color of plants of the new Zonal *Geranium* was  
more blue than flower color of plants of the cultivar  
Typhoon.

**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 Zonal *Geranium*.

The photograph comprises a side perspective view of a  
typical flowering plant of ‘KLEP04131’ grown in a con-  
tainer.



## DETAILED BOTANICAL DESCRIPTION

Plants of the cultivar 'KLEP04131' 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 variance in genotype.

The aforementioned photograph and following observations and averaged measurements describe plants that were planted in January in 12-cm pots in Stuttgart, Germany, and grown under commercial practice in a glass-covered greenhouse with day temperatures ranging from 16° C. to 22° C., night temperatures ranging from 12° C. to 16° C. and light levels ranging from 25,000 to 60,000 lux. The photograph and information for the detailed botanical description were taken about 13 weeks after planting rooted young plants. 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 x hortorum* cultivar 'KLEP'04131.

## Parentage:

*Female parent*.—Unnamed proprietary selection of *Pelargonium x hortorum*, not patented.

*Male parent*.—Unnamed proprietary selection of *Pelargonium x hortorum*, not patented.

## Propagation:

*Type cutting*.—Terminal cuttings.

*Time to initiate roots, summer*.—About 8 days at 22° C.

*Time to initiate roots, winter*.—About 10 days at 20° C.

*Time to produce a rooted young plant, summer*.—About 15 days at 22° C.

*Time to produce a rooted young plant, winter*.—About 17 days at 20° C.

*Root description*.—Fine to thick, fibrous; white in color.

*Rooting habit*.—Moderately dense; freely branching.

## Plant description:

*General appearance*.—Upright and uniform plant habit; densely foliated.

*Growth and branching habit*.—Moderately vigorous. Freely branching, about four to five lateral branches develop without pinching, that is, without the removal of terminal apices.

*Plant height (to top of flower umbels)*.—About 25 cm to 28 cm.

*Plant height (to top of foliar plane)*.—About 15 cm to 19 cm.

*Plant width*.—About 20 cm to 22 cm.

*Lateral branches*.—Length: About 6 cm. Internode length: About 8 mm to 12 mm. Texture: Pubescent. Color: 183A.

*Foliage description*.—Arrangement: Alternate, simple. Length: About 6 cm. Width: About 8 cm. Shape: Rounded to reniform. Apex: Rounded. Base: Lobed, not overlapping. Margin: Crenate, lobed. Venation pattern: Palmate.

*Texture, upper and lower surfaces*.—Glabrous; rough.

*Color*.—Developing and fully expanded foliage, upper surface: 147A; venation, 137C. Developing and fully expanded foliage, lower surface: 137B; venation, 138A.

*Zonation pattern*.—Not observed.

*Petiole*.—Length: About 6 cm. Diameter: About 3 mm. Color, upper and lower surfaces: 138A.

## Flower description:

*Flower arrangement*.—Light purple-colored flowers arranged in rounded hemispherical umbels arising from apical leaf axils. Umbels displayed above the foliage on upright and strong peduncles. Flowers double in form; rounded and cupped. Umbels persistent, flowers not persistent. Flowers not fragrant.

*Quantity of flowers*.—Freely flowering habit; at full flower, plants have about seven to eight developing and open umbels each with about 39 flower buds and flowers.

*Flowering season*.—Year-round under greenhouse conditions. In the garden, flowering is continuous throughout the summer. Time to flower: Early flowering; plants start flowering about 80 days after planting rooted young plants.

*Flower longevity*.—Flowers last about six to ten days on the plant.

*Umbel size*.—Height: About 8 cm. Diameter: About 9 cm to 12 cm.

*Flower size*.—Diameter: About 4 cm. Depth (height): About 1 cm.

*Flower buds*.—Length: About 1 cm to 1.4 cm. Diameter: About 6 mm to 8 mm. Shape: Elliptical. Color: 139C overlain with 184A.

*Petals*.—Quantity per flower: About seven to eight. Length: About 2.5 cm. Width: About 1.8 cm. Shape: Ovate. Apex: Rounded. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, velvety. Color: When opening and fully opened, upper surface: 77B; towards the base, 80B; color does not fade with development; venation, 77B. When opening and fully opened, lower surface: 75B; towards the base, 80B; venation, 77B.

*Petaloids*.—Quantity per flower: None to about five. Length: About 3 mm to 8 mm; irregular in size. Width: About 1 mm to 5 mm; irregular in size. Shape: Variable, irregular. Apex: Mostly rounded. Base: Attenuate. Margin: Mostly entire. Texture, upper and lower surfaces: Smooth, velvety. Color: When opening and fully opened, upper surface: 77B; towards the base, 80B; color does not fade with development; venation, 77B. When opening and fully opened, lower surface: 75B; towards the base, 80B; venation, 77B.

*Sepals*.—Quantity per flower: Five, arranged in a single whorl. Length: About 6 mm to 8 mm. Width: About 4 mm to 5 mm. Shape: Elliptical. Apex: Acute. Margin: Entire. Texture, upper and lower surfaces: Pubescent, rough. Color, upper surface: 139C. Color, lower surface: 139C overlain with 184A.

*Peduncles (umbel stems)*.—Length: About 12 cm. Diameter: About 6 mm. Angle: Erect. Strength: Moderately strong to strong. Texture: Slightly pubescent. Color: 184A.

*Pedicels (individual flower stems)*.—Length: About 1 cm to 2 cm. Diameter: About 1 mm to 2 mm. Angle: Erect. Strength: Strong. Texture: Slightly pubescent. Color: 139C overlain with 184A.

*Reproductive organs*.—Androecium: Anther quantity per flower: Five. Anther length: About 3 mm. Anther shape: Ovate. Anther color: 49B. Pollen amount: Moderate. Pollen color: 33B. Gynoecium: Pistil quantity per flower: One. Pistil length: About 5 mm to 8 mm. Stigma shape: Five-parted, star-shaped.

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Stigma color: 57C. Style length: About 3 mm to 5 mm. Style color: 57D. Ovary color: 149D.

*Seeds*.—Seed development has not been observed.

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

Garden performance: Plants of the new *Zonal Geranium* have been observed to tolerate rain, wind, and tempera-

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tures from about 8° C. to about 30° C. and have good garden performance.

It is claimed:

1. A new and distinct cultivar of *Zonal Geranium* plant named 'KLEP04131', as herein illustrated and described.

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