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Klemm

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(54) **GERANIUM PLANT NAMED 'KLEP04134'**

(50) Latin Name: *Pelargonium xhortorum*
Varietal Denomination: **KLEP04134**

(75) Inventor: **Nils Klemm**, Stuttgart (DE)

(73) Assignee: **Klemm + Sohn GmbH + Co. KG**,
Stuttgart (DE)

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patent is extended or adjusted under 35
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(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./327**

(58) **Field of Classification Search** **Plt./327**
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP7,394 P * 12/1990 Schumann Plt./327
PP16,934 P2 * 8/2006 Utecht Plt./327

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Primary Examiner—Wendy Haas

(74) Attorney, Agent, or Firm—C. A. Whealy

(57) **ABSTRACT**

A new and distinct cultivar of Zonal *Geranium* plant named
'KLEP04134', characterized by its upright and uniform
plant habit; freely branching; early and freely flowering
habit; bright salmon-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 xhortorum*.
Cultivar denomination: 'KLEP04134'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of Zonal *Geranium* plant, botanically known as
Pelargonium xhortorum, and hereinafter referred to by the
name 'KLEP04134'.

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 August, 2000 of the
Pelargonium xhortorum cultivar Emira, not patented, as the
female, or seed, parent with a proprietary selection of
Pelargonium xhortorum identified as code number G016,
not patented, as the male, or pollen, parent. The cultivar
KLEP04134 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
'KLEP04134'. These characteristics in combination distin-

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guish 'KLEP04134' as a new cultivar and distinguish it from
other known Zonal *Geranium* cultivars:

1. Upright and uniform plant habit.
2. Freely branching habit.
3. Early and freely flowering habit.
4. Bright salmon-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 female parent, the cultivar Emira, in the following
characteristics:

1. Plants of the new Zonal *Geranium* flower earlier and
more freely than plants of the cultivar Emira.
2. Flower color of plants of the new Zonal *Geranium* is
brighter than flower color of plants of the cultivar
Emira.

Plants of the new Zonal *Geranium* differ from plants of
the male parent selection in the following characteristics:

1. Plants of the new Zonal *Geranium* are more freely
branching than plants of the male parent selection.
2. Plants of the new Zonal *Geranium* have medium
green-colored leaves with a distinct zonation pattern
whereas plants of the male parent selection have dark
green-colored leaves with a slight zonation pattern.
3. Flower color of plants of the new Zonal *Geranium* is
darker than flower color of plants of the male parent
selection.

Plants of the new Zonal *Geranium* can be compared to
plants of the cultivar Klesectra, disclosed in U.S. Plant
patent application Ser. No. 09/250,008, now abandoned. In
side-by-side comparisons conducted in Stuttgart, Germany,
plants of the new Zonal *Geranium* differed from plants of the
cultivar Klesectra in the following characteristics:

1. Plants of the new Zonal *Geranium* were larger and more vigorous than plants of the cultivar Klesectra.
2. Flower color of plants of the new Zonal *Geranium* was bright salmon whereas flower color of plants of the cultivar Klesectra was 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 reproductions 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 'KLEP04134' grown in a container.

DETAILED BOTANICAL DESCRIPTION

Plants of the cultivar KLEP04134 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 containers 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×hortorum* cultivar KLEP04134.

Parentage:

Female parent.—*Pelargonium×hortorum* cultivar Emira, not patented.

Male parent.—Proprietary selection of *Pelargonium×hortorum* identified as code number G 016, not patented.

Propagation:

Type cutting.—Terminal cuttings.

Time to initiate roots, summer.—About 7 days at 22° C.

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

Time to produce a rooted young plant, summer.—About 16 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 26 cm to 33 cm.

Plant height (to top of foliar plane).—About 20 cm to 25 cm.

Plant width.—About 23 cm to 26 cm.

Lateral branches.—Length: About 7 cm. Internode length: About 1 cm to 2.5 cm. Texture: Slightly pubescent. Color: 139C overlain with 172B.

Foliage description.—Arrangement: Alternate, simple. Length: About 6 cm to 7 cm. Width: About 8 cm to 9 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: 137B; venation, 137D. Developing and fully expanded foliage, lower surface: 137D; venation, 138C. Zonation pattern: Distinct. Location from margin: About 1 cm. Width: About 1.5 cm. Color: 187A. Petiole: Length: About 7 cm to 9 cm. Diameter: About 2 mm to 2.5 mm. Color, upper and lower surfaces: 138C.

Flower description:

Flower arrangement.—Bright salmon-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 eight developing and open umbels each with about 45 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 eight days on the plant.

Umbel size.—Height: About 8 cm to 10 cm. Diameter: About 9 cm to 10 cm.

Flower size.—Diameter: About 5 cm. Depth (height): About 1.5 cm.

Flower buds.—Length: About 6 mm to 10 mm. Diameter: About 6 mm to 8 mm. Shape: Elliptical. Color: 147C.

Petals.—Quantity per flower: About six to eight. Length: About 2 cm to 2.2 cm. Width: About 1.6 cm to 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: 41B; towards the base, 56D; color does not fade with development; venation, 41A. When opening and fully opened, lower surface: 52D; towards the base, 56D; venation, 41B.

Petaloids.—Quantity per flower: Zero to about three. Length: About 2 mm to 8 mm; irregular in size. Width: About 2 mm to 4 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: 41B; towards the base, 56D; color does not fade with development; venation, 41B. When opening and fully opened, lower surface: 52D; towards the base, 56D; venation, 41B.

Sepals.—Quantity per flower: Five, arranged in a single whorl. Length: About 6 mm to 9 mm. Width: About

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2 mm to 3 mm. Shape: Elliptical. Apex: Acute. Margin: Entire. Texture, upper and lower surfaces: Pubescent, rough. Color, upper surface: 147C. Color, lower surface: 147D.

Peduncles (umbel stems).—Length: About 15 cm. Diameter: About 4 mm. Angle: Erect. Strength: Moderately strong to strong. Texture: Slightly pubescent. Color: 147C overlain with 173A.

Pedicels (individual flower stems).—Length: About 2 cm to 3 cm. Diameter: About 1.5 mm to 2 mm. Angle: Erect. Strength: Strong. Texture: Slightly pubescent. Color: 183B.

Reproductive organs.—Androecium: Anther quantity per flower: Five. Anther length: About 3 mm. Anther shape: Ovate. Anther color: 54C. Pollen amount: Moderate. Pollen color: 49B. Gynoecium: Pistil

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quantity per flower: One. Pistil length: About 4 mm. Stigma shape: Five-parted, star-shaped. Stigma color: 57C. Style length: About 4 mm. Style color: 65D. Ovary color: 140D.

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 temperatures 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 'KLEP04134', as herein illustrated and described.

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