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Klemm et al.

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(54) **CARNATION PLANT NAMED ‘KLEDG10117’**

(50) Latin Name: *Dianthus caryophyllus*
Varietal Denomination: **KLEDG10117**

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(51) **Int. Cl.**
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(52) **U.S. Cl.** **Plt./276**; Plt./272; Plt./273

(58) **Field of Classification Search** Plt./272, Plt./273, 276
See application file for complete search history.

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(57) **ABSTRACT**

A new variety of carnation named ‘KLEDG10117’ particularly characterized by its lavender purple flowers, rich flowering, good branching and clear flower color, is disclosed.

1 Drawing Sheet

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Genus and species: *Dianthus caryophyllus*.
Variety denomination: ‘KLEDG10117’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct variety of carnation, botanically known as *Dianthus caryophyllus*, and hereinafter referred to by the variety name ‘KLEDG10117’. The new variety is the result of a cross conducted in June 2006 in Stuttgart, Germany between the proprietary female parent carnation plant, ‘*Dianthus×allwoodii*’ (unpatented) and the proprietary male parent, ‘DCP 06 011’ (unpatented). A single plant selection was subsequently chosen for further evaluation and for asexual propagation. The new variety was first propagated via vegetative cuttings in June 2007 in Stuttgart, Germany and has been asexually reproduced repeatedly by vegetative cuttings in Stuttgart, Germany for approximately six to seven generations. ‘KLEDG10117’ has been found to retain its distinctive characteristics through successive asexual propagations via vegetative cuttings.

Plant Breeder’s Rights for this variety were applied for in Europe on Jul. 15, 2010. ‘KLEDG10117’ has not been made publicly available or sold more than one year prior to the filing date of this application.

SUMMARY OF THE INVENTION

The following are the most outstanding and distinguishing characteristics of this new variety when grown under normal horticultural practices in a greenhouse in Stuttgart, Germany.

1. Rich flowering;
2. Good branching;
3. Lavender purple flowers with a red center; and
4. Clear flower color.

DESCRIPTION OF THE PHOTOGRAPH

This new carnation plant is illustrated by the accompanying photograph which shows the flowers and foliage of the plant. The colors shown are as true as can be reasonably obtained by conventional photographic procedures. The pho-

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tograph was taken in April 2010 of a 5-month-old plant grown from rooted cuttings in a 10 centimeter pot in a glass-covered greenhouse in Stuttgart, Germany under conditions which approximate those generally used in horticultural practice.

DESCRIPTION OF THE NEW VARIETY

The following detailed descriptions set forth the distinctive characteristics of ‘KLEDG10117’. The data which define these characteristics were collected from asexual reproductions carried out in Stuttgart, Germany. The plant history was taken in Spring 2010 on 5-month-old plants in 10 centimeter pots that were pinched once at week 45 and grown in a glass-covered greenhouse. The color readings were determined under natural light. Color references are to The R.H.S. Colour Chart of The Royal Horticultural Society of London (R.H.S.), Fifth Edition (2007).

DETAILED BOTANICAL DESCRIPTION OF THE NEW PLANT

Classification:

Family.—Caryophyllaceae.
Genus and species.—*Dianthus caryophyllus*.
Common name.—Carnation.

Parentage:

Female parent.—The proprietary carnation ‘*Dianthus×allwoodii*’ (unpatented).
Male parent.—The proprietary carnation ‘DCP 06 011’ (unpatented).

Plant:

Form.—Potted plant.
Habit.—Upright, round.
Height (from top of soil).—6.0 cm to 9.0 cm.
Width (spread).—10.0 cm to 12.0 cm.
Life cycle.—Perennial.
Flowering habit.—Continuous.
Time to produce a finished flowering plant.—4 months.
Propagation type.—Vegetative cuttings.
Time to initiate roots.—16 days.
Root description.—Fine; RHS NN155C (White).
Temperature tolerances.—+30° C. to −15° C.

Branches:

Quantity per plant.—8 to 12.
Color.—RHS 137A.
Length.—4.0 cm to 6.0 cm.
Diameter.—0.2 cm to 0.4 cm.
Internode length.—0.5 cm to 1.0 cm.
Texture.—Smooth.

Leaves:

Arrangement.—Opposite.
Shape.—Lanceolate.
Apex.—Acute.
Base.—Obtuse.
Margin.—Entire.
Color.—Immature leaf (both upper and lower surfaces):
 RHS 138A. Mature leaf (both upper and lower sur-
 faces): RHS N138B.
Length.—2.0 cm to 6.0 cm.
Width.—0.3 cm to 0.4 cm.
Texture.—Smooth.
Venation color.—Upper surface: RHS 138B. Lower sur-
 face: RHS 138C.
Petioles.—Absent.

Flowers:

Blooming habit.—Small sprays.
Flower type.—Double.
Flowering season.—Early Spring to late Autumn.
Width.—3.2 cm.
Depth.—1.3 cm.
Shape.—Round.
Fragrance.—Present.
Number of flowers per plant.—6 to 8.

Flower buds:

Color.—RHS 137C to RHS 137D.
Shape.—Elliptic.
Length.—0.5 cm to 1.0 cm.
Diameter.—0.5 cm to 0.7 cm.

Petals:

Arrangement.—Arranged in several whorls.
Quantity (per flower).—Greater than 14 to 18.
Shape.—Spoon-shaped.
Apex.—Obtuse.
Margin.—Serrate.
Base.—Acute.
Length.—1.5 cm.
Width.—1.2 cm.
Color.—When opening: Upper surface: RHS N74C and
 RHS 64A (at eye). Lower surface: RHS N74C. When

fully opened: Upper surface: RHS N74D and RHS
 64A (at eye). Lower surface: RHS 75A.

Texture (both surfaces).—Smooth.

Sepals:

5 *Calyx.*—Form: Cylinder vase. Length: 1.2 cm. Width:
 0.6 cm.
Arrangement.—Fused.
Quantity (per flower).—4 to 5.
Shape.—Elliptic.
 10 *Apex.*—Acute.
Base.—Obtuse.
Margin.—Smooth.
Length.—0.6 cm.
Width.—0.4 cm.
 15 *Color.*—Upper surface: RHS N138A to RHS N138D.
 Lower surface: RHS 138A to RHS 138D.
Texture (both surfaces).—Smooth.

Peduncle:

20 *Length.*—8.0 cm to 10.0 cm.
Diameter.—0.2 cm.
Texture.—Smooth.
Color.—RHS N138A.

Reproductive organs:

Pistils.—Quantity: 1. Stigma color: RHS 69D. Ovary
 color: RHS 139D.
 25 *Stamens.*—Quantity: Moderate. Filament: Length: 0.8
 cm. Color: RHS 139D. Anther color: RHS 139C.
 Pollen: Amount: Moderate. Color: RHS 139C.

Fruit and seed set: None observed.

30 Disease and insect resistance: No particular resistance or
 susceptibility to common carnation diseases or insect pests
 has been observed.

COMPARISON WITH PARENTAL VARIETIES

35 ‘KLEDG10117’ differs from the female parent, the propri-
 etary carnation plant ‘*Dianthusxallwoodii*’ (unpatented), in
 that ‘KLEDG10117’ has very early, lavender purple flowers,
 while ‘*Dianthusxallwoodii*’ has medium early, light pink
 flowers.

40 ‘KLEDG10117’ differs from the male parent, the propri-
 etary carnation plant ‘DCP 06 011’ (unpatented), in that
 ‘KLEDG10117’ has lavender purple flowers and smaller
 leaves, while ‘DCP 06 011’ has white flowers and wide
 leaves.

45 We claim:

1. A new and distinct variety of carnation plant named
 ‘KLEDG10117’ as shown and described herein.

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