



(12) **United States Plant Patent**
Klemm et al.

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(54) **POT CARNATION PLANT NAMED**
‘KLEDP10112’

(50) Latin Name: *Dianthus caryophyllus*
Varietal Denomination: **KLEDP10112**

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patent is extended or adjusted under 35
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(52) **U.S. Cl.** **Plt./278**

(58) **Field of Classification Search** **Plt./278**
See application file for complete search history.

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(57) **ABSTRACT**

A new variety of Carnation named ‘KLEDP10112’ particu-
larly characterized by its dark purple red flowers having a
black red edge, a compact growth habit, and purple brown
flower buds, is disclosed.

1 Drawing Sheet

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Genus and species: *Dianthus caryophyllus*.
Variety denomination: ‘KLEDP10112’.

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
‘KLEDP10112’. The new variety is the result of a cross
conducted in June 2006 in Stuttgart, Germany between the
proprietary female parent, ‘DCP 05 109’ (unpatented) and the
proprietary male parent, ‘DCP 04 017’ (unpatented). A single
plant selection was subsequently chosen for further evalua-
tion and for asexual propagation.

The new variety was first propagated via vegetative cut-
tings in June 2007 in Stuttgart, Germany and has been asexu-
ally reproduced repeatedly by vegetative cuttings in Stuttgart,
Germany for approximately seven to eight generations.
‘KLEDP10112’ has been found to retain its distinctive char-
acteristics through successive asexual propagations via veg-
etative cuttings.

‘KLEDP10112’ has not been made publicly available or
sold more than one year prior to the filing date of this appli-
cation.

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 glass greenhouse in Stuttgart, Ger-
many.

1. Dark purple red flowers having a black red edge;
2. A compact growth habit; and
3. Purple brown flower buds.

DESCRIPTION OF THE PHOTOGRAPH

This new Carnation plant is illustrated by the accompany-
ing photograph which shows a close-up of a mature flower
and foliage. The colors shown are as true as can be reasonably
obtained by conventional photographic procedures. The pho-
tograph was taken in April 2010 of a 5-month old plant grown

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from rooted cuttings in a 10 centimeter pot in a glass green-
house in Stuttgart, Germany under normal horticultural prac-
tices.

DESCRIPTION OF THE NEW VARIETY

The following detailed descriptions set forth the distinctive
characteristics of ‘KLEDP10112’. The data which define
these characteristics were collected from asexual reproduc-
tions carried out in Stuttgart, Germany. The plant history was
taken in Spring 2010 on 5-month old plants grown in 10
centimeter pots with a minimum pinch date of 45 weeks. The
plants were grown in a greenhouse covered with glass. 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 ‘DCP 05
109’ (unpatented).

Male parent.—The proprietary Carnation ‘DCP 04 017’
(unpatented).

Plant:

Form.—Potted plant.

Habit.—Upright.

Height (from top of soil).—16.0 cm to 18.0 cm.

Width (spread).—12.0 cm.

Life cycle.—Partially perennial.

Flowering habit.—Continuous.

Time to produce a finished flowering plant.—5 months.

Propagation type.—Vegetative cuttings.

Time to initiate roots.—16 to 20 days.

Root description.—White, fine.

Temperature tolerances.—Normal.

Branches:

Strength.—Medium-strong.
Quantity per plant.—5.
Color.—RHS 137C.
Length.—12.0 cm to 15.0 cm.
Diameter.—0.5 cm to 1.0 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 136C. Mature leaf (both upper and lower sur-
 faces): RHS 136C.
Size.—Length: 3.0 cm to 6.0 cm. Width: 0.5 cm to 0.8
 cm.
Texture.—Smooth.
Venation pattern.—Palmate.
Venation color.—Upper surface: RHS 136C. Lower sur-
 face: RHS 137C.
Petioles.—Absent.

Flowers:

Type.—Small sprays.
Flowering season.—Spring to Fall.
Lastingness of individual flowers on the plant.—12 to 14
 days.
Size.—Width: 2.5 cm. Depth: 2.0 cm.
Shape.—Round.
Fragrance.—Present.
Number of flowers per plant.—4 to 7.
Calyx.—Form: Cylinder vase. Length: 2.0 cm. Width:
 1.2 cm.

Flower buds:

Color.—RHS 137C and RHS 176C.
Shape.—Elliptic.
Length.—0.8 cm to 1.2 cm.
Diameter.—0.6 cm to 1.0 cm.

Petals:

Arrangement.—Arranged in several whorls.
Quantity (per flower).—Greater than 30.
Shape.—Spoon-shaped.
Apex.—Obtuse.
Base.—Acute.
Margin.—Slightly crenated.
Size.—Length: 2.0 cm. Width: 1.5 cm.
Color.—When opening: Upper surface: RHS 56A and
 RHS 59A. Lower surface: RHS 56A. When fully
 opened: Upper surface: RHS 56A and RHS 59A.
 Lower surface: RHS 56A.
Texture (both upper and lower surfaces).—Smooth.

Sepals:

Arrangement.—Fused.
Quantity (per flower).—4 to 5.
Shape.—Elliptic.
Apex.—Acute.
Base.—Obtuse.
Margin.—Smooth.
Size.—Length: 0.6 cm. Width: 0.5 cm.
Color.—Upper surface: RHS N136C. Lower surface:
 RHS 136C.
Texture (both upper and lower surfaces).—Smooth.

Peduncle:

Length.—5.0 cm to 8.0 cm.
Diameter.—0.2 cm to 0.3 cm.
Texture.—Smooth.
Color.—RHS 137C.

Reproductive organs:

Pistils.—Quantity: 1. Stigma color: RHS 65A to RHS
 65D. Ovary color: RHS 144C.
Stamens.—Quantity: Moderate. Filament: Length: 0.5
 cm to 0.8 cm. Color: RHS 65A to RHS 65D. Anther
 color: RHS 65A. Pollen: Amount: Moderate. Color:
 RHS 65D.

Fruit and seed set: None observed.

COMPARISON WITH PARENTAL AND
COMMERCIAL VARIETIES

‘KLEDP10112’ differs from the female parent ‘DCP 05
 109’ (unpatented), in that ‘KLEDP10112’ has purple red
 flowers with a black red edge and a compact growth habit,
 while ‘DCP 05 109’ has purple flowers and a strong growth
 habit.

‘KLEDP10112’ differs from the male parent ‘DCP 04 017’
 (unpatented), in that ‘KLEDP10112’ has purple red flowers
 with a black red edge and dark green foliage, while ‘DCP 04
 017’ has light pink flowers and medium green foliage.

‘KLEDP10112’ differs from the commercial variety
 ‘SuperTrouper Burgundy’ (unpatented), in that
 ‘KLEDP10112’ has purple red flowers with a black red edge,
 a compact growth habit, and double flowers, while ‘Super-
 Trouper Burgundy’ has dark red flowers with dark stripes, a
 medium growth habit, and semi-double flowers.

We claim:

1. A new and distinct variety of Carnation plant named
 ‘KLEDP10112’ as shown and described herein.

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