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Klemm et al.

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(54) **DIANTHUS PLANT NAMED ‘KLEDP14205’**

(50) Latin Name: *Dianthus caryophyllus*
Varietal Denomination: **KLEDP14205**

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(51) **Int. Cl.**
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(52) **U.S. Cl.**
USPC **Plt./278**

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

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(57) **ABSTRACT**

A new *Dianthus* plant particularly distinguished by red flowers with white margins and an upright form, is disclosed.

1 Drawing Sheet

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Genus and species: *Dianthus caryophyllus*.
Variety denomination: ‘KLEDP14205’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct variety of *Dianthus*, botanically known as *Dianthus caryophyllus*, and hereinafter referred to by the variety name ‘KLEDP14205’. ‘KLEDP14205’ originated from a branch mutation of the proprietary mutation parent ‘DCP 2010-1006’ (unpatented) in May 2010 in a greenhouse in Italy.

In June 2010, ‘KLEDP14205’ was first vegetatively propagated by vegetative cuttings. ‘KLEDP14205’ was found to reproduce true to type in successive generations of asexual propagation in Stuttgart, Germany via vegetative cuttings.

SUMMARY

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

1. Red flowers with white margins; and
2. An upright form.

DESCRIPTION OF THE PHOTOGRAPH

This new *Dianthus* plant is illustrated by the accompanying photograph of a plant approximately 5-months old and grown in a glass greenhouse in Stuttgart, Germany. The photograph shows the whole plant, including the flowers and foliage and buds and was taken in May 2012 in Stuttgart, Germany. The colors shown are as true as can be reasonably obtained by conventional photographic procedures.

DESCRIPTION OF THE NEW VARIETY

The following detailed descriptions set forth the distinctive characteristics of ‘KLEDP14205’. The data which define these characteristics were collected from asexual reproduc-

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tions carried out in Stuttgart, Germany. Data was collected on 5-month old plants grown in a greenhouse. Color references are to The R.H.S. Colour Chart of The Royal Horticultural Society of London (R.H.S.), 5th edition (2007).

5 Classification:

Family.—Caryophyllaceae.

Botanical.—*Dianthus caryophyllus*.

Common.—Pot carnation.

Designation.—‘KLEDP14205’.

10 Parentage:

Mutation parent.—The proprietary *Dianthus* variety ‘DCP 2010-1006’ (unpatented).

Plant:

Propagation type.—Vegetative cuttings.

15 *Time to produce a rooted young plant*.—14 to 16 days.

Root description.—White, fine.

Rooting habit.—Lanceolate.

Plant form.—Potted plant, upright.

Plant height.—13.0 cm to 15.0 cm.

20 *Plant diameter or spread*.—20.0 cm to 22.0 cm.

Lateral branches:

Length.—8.0 cm to 10.0 cm.

Diameter.—3.0 mm to 5.0 mm.

Internode length.—0.6 cm to 0.8 cm.

25 *Number of internodes per branch/stem*.—4.

Node length.—0.3 cm to 0.4 cm.

Node diameter.—0.3 cm.

Texture.—Smooth.

Color.—RHS N137B.

30 *Branch/stem*.—Solid.

Foliage:

Arrangement.—Opposite.

Length.—4.0 cm to 6.0 cm.

Width.—0.6 cm to 0.8 cm.

Shape.—Lanceolate.

Apex.—Acute.

Base.—Obtuse.

Margin.—Entire.

Texture (both upper and lower surfaces).—Smooth.

Immature leaf color (both upper and lower surfaces).—
RHS 143A.
Mature leaf color.—Upper surface: RHS N137C. Lower
surface: RHS N137D.
Venation pattern.—Parallel. 5
Venation color (both upper and lower surfaces).—RHS
N137.
Flowers:
Flower type and habit.—Double, round, and small
sprays.
Fragrance.—Present.
Natural flowering season.—Spring to fall.
Position of flowers relative to the foliage.—Slightly
above.
Number of flowers per spray.—3 to 5. 15
Flower longevity.—10 to 12 days.
Buds.—Length: 1.7 cm to 2.0 cm. Diameter: 0.8 cm to
1.0 cm. Shape: Elliptic. Color: RHS 137B and RHS
143C. Extrusion of the styles at the bud stage: No.
Corolla.—Quantity of petals and arrangement: 15 to 20 20
petals arranged in several whorls. Corolla height: 1.5
cm to 2.0 cm. Petal length: 3.5 cm. Petal width: 1.4 cm
to 1.8 cm. Petal shape: Spoon-shaped. Petal apex:
Obtuse. Petal base: Acute. Petal margin: Crenate and
medium deep. Petal texture (both upper and lower
surfaces): Smooth. Petal color: Immature: Upper sur-
face: RHS 50A and RHS N155B on the margins. 25
Lower surface: RHS 54D. Mature: Upper surface:
RHS 50B and N155B on the margins. Lower surface:
RHS 49D.
Calyx.—Quantity of sepals and arrangement: Com-
posed of 4 to 5 fused sepals. Shape: Campanulate.
Calyx height: 1.8 cm to 2.0 cm. Calyx diameter (at the
apex): 0.8 cm to 1.0 cm. Sepal texture (both upper and
lower surfaces): Smooth. Sepal color: Upper surface: 35
RHS N137B. Lower surface: RHS 137C.
Peduncles:
Length.—10.0 cm to 14.0 cm.
Diameter.—0.2 cm.
Strength.—Moderate. 40
Texture.—Smooth.
Color.—RHS 137A.
Reproductive organs:
Stamens.—Quantity per flower: 3 to 5. Filament length:
0.5 cm to 0.7 cm. Filament color: RHS 155B. Anther 45

length: 0.1 cm. Anther diameter: 0.05 cm. Anther
color: RHS 19B. Pollen amount: Sparse.
Pistils.—Quantity per flower: 1. Pistil length: 0.1 cm.
Style length: 1.6 cm to 1.8 cm. Style color: RHS 59A.
Stigma shape: Filamentous. Stigma color: RHS 59A.
Ovary size: 0.4 cm to 0.6 cm. Ovary shape: Oval.
Ovary color: RHS 145A.
Fruit and seed set: Seed sometimes observed; additional
information on seed not available.
10 Disease and pest/insect resistance: No disease and pest/insect
resistance observed.

COMPARISON WITH PARENTAL LINE AND
KNOWN VARIETY

‘KLEDP14205’ is a distinct variety of *Dianthus* and is
distinguished from the mutation parent as described in Table
1.

TABLE 1

Comparison with Parental Lines		
Characteristic	‘KLEDP14205’	Mutation Parent ‘DCP 2010-1006’
Flower color	Red with white margins	Red

‘KLEDP14205’ is a distinct variety of *Dianthus* and is
most similar to the commercial *Dianthus* variety
‘KLEDP10105’ (U.S. Plant Pat. No. 23,133), also commer-
cially known as SuperTrouper™ ‘Oscar’. Differences
between the varieties are described in Table 2.

TABLE 2

Comparison with Similar Variety		
Characteristic	‘KLEDP14205’	‘KLEDP10105’
Flower color	Red with white margins	Dark pink with purple eyes

We claim:

1. A new and distinct variety of *Dianthus* plant designated
‘KLEDP14205’ as illustrated and described herein.

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