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Klemm et al.

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(54) **DIANTHUS PLANT NAMED ‘KLEDP16231’**

(50) Latin Name: *Dianthus caryophyllus*
Varietal Denomination: **KLEDP16231**

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patent is extended or adjusted under 35
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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, good branching, and an upright habit, is disclosed.

1 Drawing Sheet

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Genus and species: *Dianthus caryophyllus*.
Variety denomination: ‘KLEDP16231’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct variety
of *Dianthus*, botanically known as *Dianthus caryophyl-*
lus, and hereinafter referred to by the variety name
‘KLEDP16231’. ‘KLEDP16231’ originated from a controlled
cross between the proprietary female parent ‘DCP-
2007-0057’ (unpatented) and the proprietary male parent
‘DCP-2009-0209’ (unpatented) in May 2011 in Stuttgart,
Germany. A single plant was selected in June 2012 and
designated ‘KLEDP16231’.

In August 2012, ‘KLEDP16231’ was first vegetatively
propagated by vegetative cuttings. ‘KLEDP16231’ was
found to reproduce true to type in successive generations of
asexual propagation in Stuttgart, Germany via vegetative
stem cuttings.

SUMMARY

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

- 1. Red flowers;
- 2. Good branching; and
- 3. An upright habit.

DESCRIPTION OF THE PHOTOGRAPH

This new *Dianthus* plant is illustrated by the accompa-
nying photograph of a plant approximately 8 weeks old and
grown in a greenhouse in Stuttgart, Germany. The photo-
graph shows the whole plant, including the flowers and
foliage and buds and was taken in April 2016 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 distinc-
tive characteristics of ‘KLEDP16231’. The data which

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define these characteristics were collected from asexual
reproductions carried out in Stuttgart, Germany. Data was
collected in April 2017 on 7-month old plants grown in a
plastic greenhouse. Color references are to The R.H.S.
Colour Chart of The Royal Horticultural Society of London
(R.H.S.), 5th edition (2007).

Classification:

- Family.*—Caryophyllaceae.
- Botanical.*—*Dianthus caryophyllus*.
- Common.*—Pot carnation.
- Designation.*—‘KLEDP16231’.

Parentage:

- Female parent.*—The proprietary *Dianthus* variety
‘DCP-2007-0057’ (unpatented).
- Male parent.*—The proprietary *Dianthus* variety ‘DCP-
2009-0209’ (unpatented).

Plant:

- Plant form.*—Upright, potted plant.
- Plant height.*—16.0 cm to 18.0 cm.
- Plant diameter or spread.*—20.0 cm to 22.0 cm.
- Propagation type.*—Vegetative cuttings, stem cutting.
- Time to produce a rooted young plant.*—14 to 16 days.
- Root description.*—White, fine.
- Rooting habit (shape).*—Lanceolate.

Lateral branches:

- Number of lateral branches.*—8 to 12.
- Strength.*—Moderate.
- Length.*—Approximately 17.0 cm.
- Diameter.*—0.3 cm to 0.5 cm.
- Internode length.*—3.0 cm to 4.0 cm.
- Number of internodes per branch/stem.*—4 to 6.
- Node length.*—0.4 cm to 0.6 cm.
- Node diameter.*—0.3 cm to 0.5 cm.
- Texture.*—Smooth.
- Color.*—RHS 137A.

Branch/stem appearance.—Solid.

Foliage:

- Arrangement.*—Opposite, sessile.
- Length.*—7.0 cm to 9.0 cm.

Width.—0.5 cm to 0.7 cm.
Shape.—Lanceolate.
Apex.—Acute.
Base.—Obtuse.
Margin.—Entire.
Texture (both upper and lower surfaces).—Smooth.
Immature leaf color.—Upper surface: RHS 144A.
 Lower surface: RHS 143C.
Mature leaf color.—Upper surface: RHS 137B. Lower
 surface: RHS 137C.
Venation pattern.—Palmate.
Venation color.—Upper surface: RHS 137B. Lower
 surface: RHS 137C.

Flowers:

Flower type and habit.—Round, double, small sprays.
Fragrance.—Present.
Natural flowering season.—Spring to fall.
Position of flowers relative to the foliage.—Moderately
 above.
Number of flowers per spray.—4 to 7.
Flower longevity on the plant.—10 to 14 days.
Buds.—Length: Approximately 2.0 cm. Diameter: 1.0
 cm to 1.2 cm. Shape: Elliptic. Color: RHS 137B and
 RHS 144A. Extrusion of the styles at the bud stage:
 Absent.
Corolla.—Quantity of petals and arrangement: 20 to
 25, whorled. Corolla height: 1.5 cm to 2.0 cm.
 Corolla diameter: 0.8 cm to 1.2 cm. Petal length:
 Approximately 3.0 cm. Petal width: 1.5 cm to 2.0
 cm. Petal shape: Spoon-shaped. Petal apex: Obtuse.
 Petal base: Acute. Petal margin: Crenate. Depth of
 petal margin: Medium. Petal texture (both upper and
 lower surfaces): Smooth. Petal luster (both surfaces):
 Absent. Petal color: Immature: Upper surface: RHS
 42A. Lower surface: RHS 47B. Mature: Upper surface:
 RHS 47A. Lower surface: RHS 47C.
Calyx.—Quantity of sepals and arrangement: Com-
 posed of 5 sepals. Shape: Campanulate. Calyx
 height: 2.0 cm to 2.4 cm. Calyx diameter (at the
 apex): 0.8 cm to 1.0 cm. Sepal length: 1.0 cm to 1.2
 cm. Sepal diameter: 0.8 cm to 1.0 cm. Sepal apex:
 Acute. Sepal base: Obtuse. Sepal margin: Entire.
 Sepal luster (both surfaces): Absent. Sepal texture
 (both upper and lower surfaces): Smooth. Sepal
 arrangement: Whorled. Sepal color: Upper surface:
 RHS 137A. Lower surface: RHS 137D.

Peduncles:

Length.—17.0 cm.
Diameter.—0.2 cm.
Strength.—Moderate.

Texture.—Smooth.
Color.—RHS 137A.

Reproductive organs:

Stamens.—Quantity per flower: Moderate. Filament
 length: 0.6 cm to 1.0 cm. Filament color: RHS 157B.
 Anther length: 0.3 cm. Anther diameter: 0.1 cm.
 Anther color: RHS 155B. Pollen amount: Absent.
Pistils.—Quantity per flower: 1. Pistil length: 0.1 cm.
 Style length: 1.2 cm to 1.5 cm. Style color: RHS
 157C. Stigma shape: Filamentous. Stigma color:
 RHS 62B. Ovary size: 0.6 cm to 0.8 cm. Ovary
 shape: Oval. Ovary color: RHS 150B and RHS
 144B.

Fruit and seed set: Seed is sometimes observed, but no
 information on the seed is available.
 Disease and pest/insect resistance: No disease and pest/
 insect resistance observed.

COMPARISON WITH PARENTAL LINE AND
 KNOWN VARIETY

‘KLEDP16231’ is distinguished from its parents as
 described in Table 1.

TABLE 1

Comparison with Parental Lines			
Characteristic	‘KLEDP16231’	Female Parent ‘DCP-2007-0057’	Male Parent ‘DCP-2009-0209’
Amount of pollen	Absent	Sparse	Abundant

‘KLEDP16231’ can be compared to the commercial
Dianthus variety ‘SuperTrouper Antonio’, also known as
 ‘KLEDP13155’ (U.S. Plant Pat. No. 26,721). Differences
 between the varieties are described in Table 2.

TABLE 2

Comparison with Similar Variety		
Characteristic	‘KLEDP16231’	‘SuperTrouper Antonio’
Branching Vigor	Good branching Vigorous, for 14 cm to 16 cm pots	Less branching Less vigorous, for 10 cm to 12 cm pots

We claim:

1. A new and distinct variety of *Dianthus* plant designated
 ‘KLEDP16231’ as illustrated and described herein.

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