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Klemm et al.

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(54) **DIANTHUS PLANT NAMED ‘KLEDG13159’**

(50) Latin Name: ***Dianthus* sp.**

Varietal Denomination: **KLEDG13159**

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(52) **U.S. Cl.**
USPC **Plt./281**

(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 single-type flowers, raspberry-red flower color, and an upright and bushy plant habit, is disclosed.

1 Drawing Sheet

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Genus and species: *Dianthus* sp.
Variety denomination: ‘KLEDG13159’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct variety of *Dianthus*, botanically known as *Dianthus* sp., and herein-after referred to by the variety name ‘KLEDG13159’. ‘KLEDG13159’ originated from a cross-pollination between the proprietary female *Dianthus* parent ‘DSS 2007 0031’ (unpatented) and proprietary male *Dianthus* parent ‘DSS 2007 0026’ (unpatented) in June 2009 in Stuttgart, Germany.

The seeds from the cross were sown and plants were grown in a greenhouse for evaluation, where an individual plant designated ‘KLEDG13159’ was selected from the group of plants June 2010 in Stuttgart, Germany. In June 2010, ‘KLEDG13159’ was first vegetatively propagated by vegetative cuttings. ‘KLEDG13159’ 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. Single-type flowers having a raspberry-red flower color; and
2. An upright and bushy plant habit.

CROSS-REFERENCE TO RELATED APPLICATIONS

A Plant Breeders Rights application was filed in Canada on Jan. 20, 2014, Application Number 14-8173. ‘KLEDG13159’ has not been sold or made publicly available more than one year prior to the filing date of the present application.

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DESCRIPTION OF THE PHOTOGRAPH

This new *Dianthus* plant is illustrated by the accompanying photograph of a plant approximately 4 to 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 June 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 ‘KLEDG13159’. The data which define these characteristics were collected from asexual reproductions carried out in Stuttgart, Germany. Data was collected on 4-month old plants grown in a greenhouse in March 2014. 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* sp.

Common.—Garden carnation.

Designation.—‘KLEDG13159’.

Parentage:

Female parent.—The proprietary *Dianthus* variety ‘DSS 2007 0031’ (unpatented).

Male parent.—The proprietary *Dianthus* variety ‘DSS 2007 0026’ (unpatented).

Plant:

Propagation type.—Vegetative cuttings.

Time to produce a rooted young plant.—20 days.

Root description.—White, well-branched, and fine.

Rooting habit.—Lanceolate.

Plant form.—Potted and garden plant, upright and bushy.

Plant height.—17.0 cm.

Plant diameter or spread.—17.0 cm.

Lateral branches:
Length.—7.0 cm.
Diameter.—2.0 cm.
Internode length.—1.5 cm.
Average number of internodes per branch.—4.
Branch.—Is solid.
Node length.—0.5 cm.
Node diameter.—0.4 cm.
Texture.—Smooth.
Color.—RHS 139C.

Foliage:
Arrangement.—Opposite.
Length.—6.0 cm.
Width.—0.4 cm.
Shape.—Lanceolate.
Apex.—Acute.
Base.—Obtuse.
Margin.—Entire.
Texture (both upper and lower surfaces).—Smooth.
Immature leaf color.—Upper surface: RHS 139C.
Lower surface: RHS 139D.
Mature leaf color.—Upper surface: RHS 139C. Lower
surface: RHS 139D.
Venation pattern.—Pinnate.
Venation color (both upper and lower surfaces).—RHS
139C.

Flowers:
Flower type and habit.—Most flowers are single, but
some flowers are also semi-double.
Fragrance.—Present.
Natural flowering season.—Spring to fall.
Flower longevity.—7 to 9 days.
Position of the flowers relative to the foliage.—Far
above.
Buds.—Length: 1.5 cm. Diameter: 0.5 cm. Shape: Tall
cylinder to ovate. Color: RHS 187A. Extrusion of the
styles at bud stage: Included in the bud, not visible.
Corolla.—Quantity of petals and arrangement: 5
arranged radially. Corolla height: 1.3 cm. Petal
length: 3.5 cm. Petal width: 2.0 cm. Petal shape:
V-shaped. Petal apex: Obtuse. Petal base: Cuspidate.
Petal margin: Serrate. Petal texture (both upper and
lower surfaces): Smooth. Petal color: Immature:
Upper surface: RHS 68A and RHS 67A. Lower sur-
face: RHS 65B. Mature: Upper surface: RHS 68B and
RHS 67A. Lower surface: RHS N66D.
Calyx.—Quantity of sepals and arrangement: Com-
posed of 5 sepals. Calyx height: 1.6 cm. Calyx diam-
eter (at the apex): 0.5 cm. Shape of calyx: Cylindrical.
Sepal texture (both upper and lower surfaces):
Smooth. Sepal color: Upper surface: RHS 187B.
Lower surface: RHS 177A.

Peduncles:
Length.—14.0 cm.
Diameter.—0.2 cm.
Strength.—Moderate.
Texture.—Smooth.
Color.—RHS 138D.

Reproductive organs:
Stamens.—Quantity per flower: Greater than 5. Fila-
ment length: 1.0 cm. Filament color: RHS 73D.
Anther length: 0.2 cm. Anther diameter: 0.08 cm.
Anther color: RHS 84D. Pollen amount: Moderate.
Pistils.—Quantity per flower: 2. Pistil length: 2.0 cm.
Style length: 0.1 cm. Style color: RHS 73D. Stigma
shape: Filamentous. Stigma color: RHS 70B. Ovary
size: 0.6 cm. Ovary shape: Ovate. Ovary color: RHS
139D.

Fruit and seed set: Seed sometimes observed but additional
information on seeds not available.
Disease and pest/insect resistance: No disease and pest/insect
resistance observed.

COMPARISON WITH PARENTAL LINES AND
KNOWN VARIETY

‘KLEDG13159’ is a distinct variety of *Dianthus* and is
distinguished from its parents as described in Table 1.

TABLE 1

Comparison with Parental Lines			
Characteristic	‘KLEDG13159’	Female Parent ‘DSS 2007 0031’	Male Parent ‘DSS 2007 0026’
Flower color	Raspberry red	Purple cerise	Pink
Flower type	Single	Double	Double

‘KLEDG13159’ is a distinct variety of *Dianthus* and is
most similar to the commercial *Dianthus* variety
‘KLEDG11143’ (U.S. Plant Pat. No. 23,150), also commer-
cially known as Everlast™ ‘Burgundy Blush’. Differences
between the varieties are described in Table 2.

TABLE 2

Comparison with Similar Variety		
Characteristic	‘KLEDG13159’	‘KLEDG11143’
Flower type	Single	Double
Growth	Medium	Compact

We claim:
1. A new and distinct variety of *Dianthus* plant designated
‘KLEDG13159’ as illustrated and described herein.

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