



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

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(54) **DIANTHUS PLANT NAMED ‘KLEDP13122’**

(50) Latin Name: *Dianthus caryophyllus*  
Varietal Denomination: **KLEDP13122**

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(52) **U.S. Cl.**  
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See application file for complete search history.

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(57) **ABSTRACT**

A new *Dianthus* plant particularly distinguished by double, violet bi-color flowers and an upright form, is disclosed.

**1 Drawing Sheet**

**1**

Genus and species: *Dianthus caryophyllus*.  
Variety denomination: ‘KLEDP13122’.

**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 ‘KLEDP13122’. ‘KLEDP13122’ originated from a cross-pollination conducted in June 2006 in Stuttgart, Germany between the proprietary female *Dianthus* variety ‘DCP 2004 0017’ (unpatented) and the proprietary male *Dianthus* variety ‘DCP 2005 0139’ (unpatented).

The seeds from the cross were sown and plants were grown in a greenhouse for evaluation, where an individual plant designated ‘KLEDP13122’ was selected from the group of plants in May 2006 in Stuttgart, Germany. In June 2007, ‘KLEDP13122’ was first vegetatively propagated by vegetative stem cuttings. ‘KLEDP13122’ 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 distinguishing characteristics of this new variety when grown under normal horticultural practices in Stuttgart, Germany.

1. Double, violet bi-color flowers; and
2. An upright form.

**CROSS REFERENCE TO RELATED APPLICATIONS**

Plant Breeders Rights for this variety have been filed with the European Community Plant Variety Rights Office on Jun. 28, 2013, Application No. 2013/1746. ‘KLEDP13122’ has not been sold or made publicly available more than one year prior to the filing of the instant application.

**2**

**DESCRIPTION OF THE PHOTOGRAPH**

This new *Dianthus* plant is illustrated by the accompanying photograph of a plant approximately 5-month 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 April 2011 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 ‘KLEDP13122’. The data which define these characteristics were collected from asexual reproductions 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.), 5<sup>th</sup> edition (2007).

Classification:

*Family*.—Caryophyllaceae.

*Botanical*.—*Dianthus caryophyllus*.

*Common*.—Pot carnation.

*Designation*.—‘KLEDP13122’.

Parentage:

*Female parent*.—The proprietary female *Dianthus* variety ‘DCP 2004 0017’ (unpatented).

*Male parent*.—The proprietary male *Dianthus* variety ‘DCP 2005 0139’ (unpatented).

Plant:

*Propagation type*.—Vegetative stem cuttings.

*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.

*Plant diameter or spread*.—16.0 cm to 18.0 cm.

Lateral branches:  
Length.—8.0 cm to 10.0 cm.  
Diameter.—4.0 mm.  
Internode length.—1.5 cm.  
Number of internodes per lateral branch.—4. 5  
Node length.—0.4 cm to 0.5 cm.  
Node diameter.—0.5 cm.  
Texture.—Smooth.  
Color.—RHS 137A. Flower buds and flowers present  
along the lateral branch. Stem is hollow. 10

Foliage:  
Arrangement.—Opposite.  
Length.—4.0 cm to 6.0 cm.  
Width.—7.0 cm to 9.0 cm.  
Shape.—Lanceolate. 15  
Apex.—Acute.  
Base.—Obtuse.  
Margin.—Entire.  
Texture (both upper and lower surfaces).—Smooth.  
Immature leaf color.—Upper surface: RHS 137C. 20  
Lower surface: RHS 138A.  
Mature leaf color.—Upper surface: RHS 139A. Lower  
surface: RHS 137A.  
Venation pattern.—Palmate.  
Venation color (both upper and lower surfaces).—RHS 25  
139A.

Flowers:  
Flower type and habit.—Double, round, and small  
sprays.  
Fragrance.—Present, strong. 30  
Natural flowering season.—Spring to fall.  
Flower longevity on the plant.—10 to 12 days.  
Position of the flowers in relation to the foliage.—  
Slightly above.  
Number of flowers per spray.—3 to 5. 35  
Buds.—Length: 1.6 cm to 1.8 cm. Diameter: 0.8 cm to  
1.0 cm. Shape: Elliptic. Color: RHS 143C and RHS  
183A. Extrusion of the styles in the bud stage: Not  
present.  
Corolla.—Quantity of petals and arrangement: 10 to 12 40  
petals arranged in several whorls. Corolla height: 1.5  
cm to 2.0 cm. Petal length: 3.5 cm. Petal width: 2.0 cm  
to 2.5 cm. Petal shape: Spoon-shaped. Petal apex:  
Obtuse. Petal base: Acute. Petal margin: Crenate and  
depth is medium. Petal texture (both upper and lower 45  
surfaces): Smooth. Petal color: Immature: Upper sur-  
face: RHS N78A and RHS 58B. Lower surface: RHS  
N78C. Mature: Upper surface: RHS 76B and RHS  
72B with RHS 64A at base of petal. Lower surface:  
RHS 69C. 50  
Calyx.—Quantity of sepals and arrangement: Com-  
posed of 5 fused sepals. Calyx height: 1.6 cm to 1.8  
cm. Calyx diameter (at the apex): 0.8 cm to 1.8 cm.  
Calyx shape: Campanulate. Sepal texture (both upper

and lower surfaces): Smooth. Sepal color: Upper sur-  
face: RHS N137C. Lower surface: RHS 144A.  
Epicalyx.—Adpressed; approximate length is 0.6 cm;  
approximate width is 0.6 cm; color is RHSS 136B and  
RHS 184A; and apex shape is acuminate.  
Peduncles: Length: 12.0 cm to 14.0 cm. Diameter: 0.2 cm.  
Strength: Moderate. Texture: Smooth. Color: RHS N137B.  
Reproductive organs:  
Stamens.—Quantity per flower: 9 to 11. Filament  
length: 2.5 cm. Filament color: RHS 73A. Anther  
length: 0.2 cm. Anther diameter: 0.1 cm. Anther color:  
RHS 93D. Pollen amount: Abundant.  
Pistils.—Quantity per flower: 1. Pistil length: 0.1 cm.  
Style length: 1.8 cm. Style color: RHS 49D. Stigma  
shape: Filamentous. Stigma color: RHS 73B. Ovary  
size: 0.5 cm. Ovary shape: Oval. Ovary color: RHS  
145B. Ovary surface texture: Smooth.  
Fruit and seed set: Seed observed but additional information  
on seed not available.  
Disease and pest/insect resistance: No disease and pest/insect  
resistance observed.

COMPARISON WITH PARENTAL LINES AND  
KNOWN VARIETY

‘KLEDP13122’ is a distinct variety of *Dianthus* and is  
distinguished from its parents as described in Table 1.

TABLE 1

Comparison with Parental Lines			
Characteristic	‘KLEDP13122’	Female Parent ‘DCP 2004 0017’	Male Parent ‘DCP 2005 0139’
Flower color	Violet bicolor	Purple	Lavender

‘KLEDP13122’ is a distinct variety of *Dianthus* and is  
most similar to the commercial *Dianthus* variety Super-  
Trouper™ ‘Carmen’ (unpatented). Differences between the  
varieties are described in Table 2.

TABLE 2

Comparison with Similar Variety		
Characteristic	‘KLEDP13122’	SuperTrouper™ ‘Carmen’
Flower type	Double	Single
Flower color	Violet bicolor	Dark-red bicolor

We claim:  
1. A new and distinct variety of *Dianthus* plant designated  
‘KLEDP13122’ as illustrated and described herein.

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