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**Klemm et al.**

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(54) **DIANTHUS PLANT NAMED ‘KLEDG20463’**

(50) Latin Name: ***Dianthus L.***  
Varietal Denomination: **KLEDG20463**

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See application file for complete search history.

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(57) **ABSTRACT**

A new *Dianthus* plant designated ‘KLEDG20463’ particularly distinguished by double pink to white flowers with very early flowering, is disclosed.

**1 Drawing Sheet**

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Genus and species: *Dianthus L.*  
Variety denomination: ‘KLEDG20463’.

**BACKGROUND**

The present invention comprises a new and distinct variety of *Dianthus*, botanically known as *Dianthus L.*, and hereinafter referred to by the variety name ‘KLEDG20463’. ‘KLEDG20463’ originated from a naturally-occurring, whole plant mutation from the *Dianthus* parent ‘KLEDG12163’ (U.S. Plant Pat. No. 24,707) in June 2018 in The Netherlands.

In September 2018, ‘KLEDG20463’ was first vegetatively propagated by vegetative stem cuttings in Stuttgart, Germany, and subsequently in Latina, Italy. ‘KLEDG20463’ was found to reproduce true to type in successive generations of asexual propagation in Stuttgart, Germany and Latina, Italy via vegetative stem cuttings.

**SUMMARY**

The following are the most outstanding and distinguishing characteristics of ‘KLEDG20463’ when grown under normal horticultural practices in Stuttgart, Germany.

1. Double, pink to white flowers; and
2. Very early flowering.

**DESCRIPTION OF THE PHOTOGRAPH**

This new *Dianthus* plant is illustrated by the accompanying photograph of a 30-week-old plant taken in May 2019 and grown in a greenhouse in Stuttgart, Germany. The colors shown are as true as can be reasonably obtained by conven-

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tional photographic procedures. The photograph is of a whole plant photo of ‘KLEDG20463’ showing the foliage, buds, and flowers.

**DESCRIPTION**

The following detailed descriptions set forth the distinctive characteristics of ‘KLEDG20463’. The data which define these characteristics were collected from asexual reproductions carried out in Stuttgart, Germany. Data was collected in May 2019 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.), 5<sup>th</sup> edition (2007).

**Classification:**

*Family.*—Caryophyllaceae.

*Botanical.*—*Dianthus L.*

*Common.*—Pot carnation.

*Designation.*—‘KLEDG20463’.

Parentage: Mutation parent is ‘KLEDG12163’ (U.S. Plant Pat. No. 24,707).

**Plant:**

*Propagation type.*—Vegetative cuttings via stem, terminal cuttings.

*Time to produce a rooted young plant.*—10 to 14 days.

*Root description.*—Fine roots, young roots are RHS 161D, mature roots are RHS 199C.

*Rooting habit shape.*—Lanceolate.

*Plant form.*—Upright.

*Plant height.*—15 cm to 17 cm.

*Plant diameter or spread.*—22 cm to 25 cm.

**Lateral branches/stems:**

*Shape of the branch in cross-section.*—Moderately angular.

- Hollowness of the branch.*—Absent, solid.  
*Length.*—7 cm to 10 cm.  
*Diameter.*—4 cm to 7 cm.  
*Internode length.*—2 cm to 3 cm.  
*Number of internodes per branch/stem.*—3 to 5. 5  
*Internode quantity per branch.*—3 to 5.  
*Node length.*—0.2 cm to 0.4 cm.  
*Node diameter.*—0.2 cm to 0.4 cm.  
*Texture.*—Smooth. 10  
*Color.*—RHS 146B.  
*Flower clustering on the lateral branch.*—In some lateral branches.
- Foliage:  
*Arrangement.*—Opposite. 15  
*Length.*—4 cm to 5 cm.  
*Width.*—0.3 cm to 0.5 cm.  
*Shape.*—Lanceolate.  
*Apex.*—Acute.  
*Base.*—Obtuse. 20  
*Margin.*—Entire.  
*Texture (both upper and lower surfaces).*—Smooth.  
*Cross-section of the leaf.*—Moderately concave.  
*Curvature of the leaf.*—Absent.  
*Glaucosity of the leaf.*—Weak. 25  
*Leaf color.*—Upper surface: RHS 138A for immature leaves and RHS 137A for mature leaves. Lower surface: RHS 138A for immature leaves and RHS 137A for mature leaves.  
*Venation pattern.*—Absent.
- Flowers:  
*Flower type and habit.*—Semi-double, small sprays, round.  
*Fragrance.*—Present. 35  
*Position of the flowers compared to the foliage of the plant.*—Moderately above.  
*Profile of both the upper and lower part in the lateral view.*—Convex.  
*Diameter of the flower.*—1.3 cm to 1.7 cm.  
*Natural flowering season.*—Spring to autumn. 40  
*Position of flowers relative to the foliage.*—Moderately above.  
*Number of flowers per spray.*—3 to 5.  
*Flower longevity on the plant.*—14 to 18 days.
- Buds:  
*Length.*—0.5 cm to 1.5 cm.  
*Diameter.*—0.3 cm to 0.4 cm.  
*Shape.*—Elliptic.  
*Color.*—RHS 138A.  
*Extrusion of the styles at the bud stage.*—Absent. 50
- Corolla:  
*Quantity of petals and arrangement.*—7 to 13 and arranged in several whorls.  
*Corolla height.*—0.8 cm to 1.5 cm.  
*Petal length.*—1.8 cm to 2.5 cm. 55  
*Petal width.*—1.0 cm to 1.5 cm.  
*Petal shape.*—Spoon-shaped.  
*Petal apex.*—Obtuse.  
*Petal base.*—Acute.  
*Petal margin.*—Serrated. 60  
*Depth of petal margin.*—Shallow.  
*Petal texture (both upper and lower surfaces).*—Smooth.  
*Petal color.*—Immature: Upper surface: RHS 75B. Lower surface: RHS 75D. Mature: Upper surface: RHS 155D. Lower surface: RHS 155D. 65

- Macule.*—Absent.  
*Calyx.*—Quantity of sepals and arrangement: Composed of 5 sepals. Longitudinal axis of the lobes of the calyx: Straight. Shape: Campanulate. Calyx height: 0.8 cm to 1.5 cm. Calyx diameter (at the apex): 0.4 cm to 0.6 cm. Sepal texture (both upper and lower surfaces): Smooth. Sepal color: Upper surface: RHS 137A. Lower surface: RHS 137D.  
*Position of the outer lobes of the epicalyx in relation to the calyx.*—Adpressed and free.  
*Apex shape of the outer lobes of the epicalyx.*—Acute.  
*Tip length of the outer lobes of the epicalyx.*—Short.  
*Apex shape of the inner lobes of the epicalyx.*—Medium acuminate.  
*Tip length of the inner lobes of the epicalyx.*—Short.  
 Peduncles:  
*Length.*—5 cm to 8 cm.  
*Diameter.*—0.2 cm.  
*Strength.*—Moderate.  
*Texture.*—Smooth.  
*Color.*—RHS 146B.  
 Reproductive organs:  
*Stamens.*—Quantity per flower: Moderate. Filament length: 0.5 cm to 0.8 cm. Filament color: RHS 157B. Anther length: 0.1 cm. Anther diameter: 0.05 cm. Anther color: RHS 155B. Pollen amount: Absent.  
*Pistils.*—Not observed.  
 Fruit and seed set: Not observed.  
 Disease and pest/insect resistance: No disease and pest/insect resistance observed.

#### COMPARISON WITH PARENTAL LINE AND KNOWN VARIETY

‘KLEDG20463’ is distinguished from the mutation parent as described in Table 1.

TABLE 1

Comparison with Parental Line		
Characteristic	‘KLEDG20463’	Mutation Parent ‘KLEDG12163’
Main flower color	RHS 75B	RHS 75B
Secondary flower color	RHS 155D	RHS 71A
Flower color pattern	Flushed color cream can have shades of pink	Bi-color

‘KLEDG20463’ can be compared to the commercial *Dianthus* variety ‘KLEDG18305’ (U.S. Plant Pat. No. 31,019). Differences between the varieties are described in Table 2.

TABLE 2

Comparison with Similar Variety		
Characteristic	‘KLEDG20463’	‘KLEDG18305’
Flower type	Double	Single
Flower color	Pink to white	Pink with purple ring
Flowering time	Very early; around 195 days after potting (cold cultivation)	Early-medium; around 205 days after potting (cold cultivation)

We claim:

1. A new and distinct varieties of *Dianthus* plant designated 'KLEDG20463' as illustrated and described herein.

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