



US00PP33765P2

(12) **United States Plant Patent**  
**Thiede**

(10) **Patent No.:** **US PP33,765 P2**  
(45) **Date of Patent:** **Dec. 21, 2021**

(54) **DIANTHUS PLANT NAMED ‘KLEDP20311’**

(50) Latin Name: *Dianthus caryophyllus*  
Varietal Denomination: **KLEDP20311**

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(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **17/322,478**

(22) Filed: **May 17, 2021**

(51) **Int. Cl.**  
*A01H 5/02* (2018.01)  
*A01H 6/30* (2018.01)

(52) **U.S. Cl.**  
USPC ..... **Plt./277**

(58) **Field of Classification Search**  
USPC ..... **Plt./272, 273, 277, 276, 278**  
See application file for complete search history.

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(57) **ABSTRACT**

A new *Dianthus* plant designated ‘KLEDP20311’ particularly distinguished by double flowers with a magenta to purple bicolor flower color and a medium amount of filling, is disclosed.

**1 Drawing Sheet**

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Genus and species: *Dianthus caryophyllus*.  
Variety denomination: ‘KLEDP20311’.

#### 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 ‘KLEDP20311’. ‘KLEDP20311’ is a selection that resulted from a whole plant mutation of the *Dianthus* line ‘KLEDP07088’ (unpatented).

In March of 2013, a whole plant mutation of the *Dianthus* line ‘KLEDP07088’ was discovered in the Netherlands and was subsequently vegetatively propagated by vegetative cuttings. ‘KLEDP20311’ was found to reproduce true to type in successive generations of asexual propagation via vegetative cuttings in Stuttgart, Germany and Latina, Italy.

#### SUMMARY

The following are the most outstanding and distinguishing characteristics of ‘KLEDP20311’ when grown under normal horticultural practices in Latina, Italy and Stuttgart, Germany.

1. Double flowers with a magenta to purple bicolor flower color; and
2. A medium amount of filling.

#### DESCRIPTION OF THE PHOTOGRAPH

This new *Dianthus* plant is illustrated by the accompanying photographs. The colors shown are as true as can be reasonably obtained by conventional photographic procedures. FIG. 1 shows the whole plant, including the flowers and foliage and buds. The photo was taken in Stuttgart, Germany and are of a 14-week-old plant of ‘KLEDP20311’.

#### DESCRIPTION OF THE NEW VARIETY

The following detailed descriptions set forth the distinctive characteristics of ‘KLEDP20311’. The data which

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define these characteristics were collected from asexual reproductions carried out in Latina, Italy. Data for all characteristics was collected in March of 2021 on plants potted (indoor) in week 38 of 2020. 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*.—‘KLEDP20311’.

Parentage: Mutation of variety ‘KLEDP07088’ (not patented).

#### Plant:

*Propagation type*.—Vegetative cuttings.

*Time to produce a rooted young plant*.—4 weeks.

*Rooting description and habit*.—Fine white (RHS 155A).

*Rooting habit*.—Lanceolate.

*Plant form*.—Upright.

*Plant height*.—5.0 cm.

*Plant diameter or spread*.—18.0 cm.

#### Lateral branches:

*Length*.—7.0 cm.

*Diameter*.—0.2 cm.

*Internode length*.—1.2 cm.

*Node length*.—0.7 cm.

*Node diameter*.—0.2 cm.

*Texture*.—Smooth.

*Color*.—RHS 138A.

#### Foliage:

*Arrangement*.—Opposite.

*Length*.—5.0 cm.

*Width*.—0.8 cm.

*Shape*.—Obovate.

*Apex*.—Acute.

*Base*.—Obtuse.

*Margin*.—Entire.

Texture (both upper and lower surfaces).—Smooth.  
Immature leaf color.—Upper surface: RHS146A.  
Lower surface: RHS147B.  
Mature leaf color.—Upper surfaces: RHS147A. Lower  
surface: RHS N137B. 5  
Venation pattern.—Parallel.  
Venation color (both upper and lower surfaces).—RHS  
144A.  
Flowers:  
Flower type and habit.—Double, round with small 10  
sprays.  
Fragrance.—Sweet.  
Natural flowering season.—Spring to fall.  
Flower longevity on the plant.—10 to 20 days.  
Buds.—Length: 1.8 cm. Diameter: 0.9 cm. Shape: 15  
Elliptic. Color: RHS 138A.  
Corolla.—Quantity of petals per flower/arrangement:  
18. Corolla height: 1.5 cm. Petal length: 3.0 cm.  
Petal width: 1.6 cm. Petal shape: Obtuse. Petal apex:  
Obtuse. Petal base: Acute. Petal margin: Crenate. 20  
Petal texture (both surfaces): Smooth. Petal color,  
immature and mature. Immature: Upper surface:  
RHS 67A with 60A center. Lower surface: RHS 63A.  
Mature: Upper surface: RHS 67A with 59C center.  
Lower surface: RHS 60C.  
Calyx.—Quantity of sepals per flower: 5. Calyx height:  
1.9 cm. Calyx diameter (at the apex): 0.9 cm. Sepal  
texture (both upper and lower surfaces): Smooth.  
Sepal color: Upper surface: RHS 143A. Lower sur-  
face: RHS 144C. 25  
Peduncles:  
Length.—1.0 cm.  
Diameter.—0.3 cm.  
Strength.—Strong.  
Texture.—Smooth.  
Color.—RHS 137A.  
Reproductive organs:  
Stamens.—Quantity: 5. Filament length: 0.7 cm. Fila-  
ment color: RHS 2D. Anther length: 0.3 cm. Anther  
diameter: 0.1 cm. Anther color: RHS 8C. Pollen 40  
amount: Not present.

Pistils.—Quantity per flower: 2. Pistil length: 1.7 cm.  
Style length: 0.5 cm. Style color: RHS 155A. Stigma  
shape: Filamentous. Stigma color: RHS 60A. Ovary  
size: 0.5 cm. Ovary shape: Elliptic. Ovary color:  
RHS 145A.  
Fruit and seed set: Seed sometimes observed but additional  
information on seed description is not available.  
Disease and pest/insect resistance: No disease and pest/  
insect resistance observed.

COMPARISON OF ‘KLEDP20311’ WITH  
PARENTAL LINE AND KNOWN VARIETY

‘KLEDP20311’ is distinguished from the parental lines as  
described in Table 1.

TABLE 1

Comparison with Parental Lines		
Trait	Variety ‘KLEDP20311’	Female parent ‘KLEDP07088’
Flower color	Magenta - purple bicolor	White - purple bicolor

‘KLEDP20311’ can be compared to the commercial *Dian-*  
*thus* variety ‘KLEDP19309’ (U.S. Plant Pat. No. 29,735).  
Differences between the varieties are described in Table 2.

TABLE 2

Comparison with Similar Variety		
Trait	Variety ‘KLEDP20311’	Commercial line ‘KLEDP19309’
Flower color	Magenta - purple bicolor	Dark red white border
Amount of filling	Medium	Less than ‘KLEDP20311’

I claim:  
1. A new and distinct variety of *Dianthus* plant designated  
‘KLEDP20311’ as illustrated and described herein.

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