



US00PP30941P3

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

(10) **Patent No.:** **US PP30,941 P3**

(45) **Date of Patent:** **Oct. 15, 2019**

(54) **DIANTHUS PLANT NAMED ‘KLEDG17050’**

(50) Latin Name: ***Dianthus cultivars***
Varietal Denomination: **KLEDG17050**

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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.: **15/932,964**

(22) Filed: **May 30, 2018**

(65) **Prior Publication Data**
US 2018/0352705 P1 Dec. 6, 2018

Related U.S. Application Data

(60) Provisional application No. 62/603,490, filed on May
31, 2017.

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

(52) **U.S. Cl.**
USPC **Plt./276**
CPC **A01H 6/305** (2018.05)

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

(56) **References Cited**

PUBLICATIONS

UPOV hit on *Dianthus* plant named ‘KLEDG17050’, filed Jul. 4,
2016, QZ PBR 2016/1681.*

* cited by examiner

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(57) **ABSTRACT**

A new *Dianthus* plant designated ‘KLEDG17050’ particu-
larly distinguished by pink semi-double flowers with dark-
pink eyes and an upright habit, is disclosed.

1 Drawing Sheet

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Genus and species: *Dianthus cultivars*.
Variety denomination: ‘KLEDG17050’.
A Community Plant Variety Rights application was filed
for ‘KLEDG17050’ on Jul. 4, 2016, File No. 2016/1681.

BACKGROUND OF THE NEW PLANT
‘KLEDG17050’

The present invention comprises a new and distinct vari-
ety of *Dianthus*, botanically known as *Dianthus cultivars*,
and hereinafter referred to by the variety name
‘KLEDG17050’. ‘KLEDG17050’ originated from a whole
plant mutation from the *Dianthus* parent ‘KLEDG12163’
(U.S. Plant Pat. No. 24,707) in 2015 in The Netherlands.

In August 2015, ‘KLEDG17050’ was first vegetatively
propagated by vegetative stem cuttings. ‘KLEDG17050’
was found to reproduce true to type in successive genera-
tions of asexual propagation in Stuttgart, Germany via
vegetative stem cuttings.

SUMMARY OF ‘KLEDG17050’

The following are the most outstanding and distinguish-
ing characteristics of ‘KLEDG17050’ when grown under
normal horticultural practices in Stuttgart, Germany.

1. Pink semi-double flowers with dark-pink eyes; and
2. An upright habit.

DESCRIPTION OF THE PHOTOGRAPH

This new *Dianthus* plant is illustrated by the accompa-
nying photograph of a plant approximately 8-months old and

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grown in a greenhouse in Stuttgart, Germany. The photo-
graph shows the whole plant, including the flowers and
foliage and buds of ‘KLEDG17050’ and was taken in May
2016 in Stuttgart, Germany. The colors shown are as true as
can be reasonably obtained by conventional photographic
procedures.

DESCRIPTION OF ‘KLEDG17050’

The following detailed descriptions set forth the distinc-
tive characteristics of ‘KLEDG17050’. The data which
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* sp. or cultivars.
- Common*.—Pot carnation.
- Designation*.—‘KLEDG17050’.

Parentage:

- Mutation parent*.—‘KLEDG12163’ (U.S. Plant Pat.
No. 24,707).

Plant:

- Plant form*.—Upright, potted plant.
- Plant height*.—14.0 cm to 16.0 cm.
- Plant diameter or spread*.—16.0 cm to 18.0 cm.
- Propagation type*.—Vegetative stem cuttings.

Time to produce a rooted young plant.—14 to 16 days.
Rooting habit (shape).—Lanceolate.
 Lateral branches:
Length.—Approximately 13.0 cm.
Diameter.—0.2 cm to 0.4 cm.
Internode length.—2.0 cm to 3.0 cm.
Number of internodes per branch/stem.—5 to 7.
Node length.—0.1 cm to 0.3 cm.
Node diameter.—0.2 cm to 0.3 cm.
Texture.—Smooth.
Color.—RHS 145B (Yellow-green).
Branch/stem appearance.—Solid.
 Foliage:
Arrangement.—Opposite.
Length.—4.0 cm to 6.0 cm.
Width.—0.3 cm to 0.5 cm.
Shape.—Lanceolate.
Apex.—Acute.
Base.—Obtuse.
Margin.—Entire.
Texture (both upper and lower surfaces).—Smooth.
Immature leaf color.—Upper surface: RHS 143C (Green). Lower surface: RHS 144B (Yellow-green).
Mature leaf color.—Upper surface: RHS N137A (Green). Lower surface: RHS N138A (Green).
Venation pattern.—Palmate.
Venation color.—Upper surface: RHS N137A (Green). Lower surface: RHS N138A (Green).

Flowers:
Flower type and habit.—Round, semi-double, numerous 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 6.
Flower longevity on the plant.—14 to 18 days.
Buds.—Length: 1.0 cm to 1.5 cm. Diameter: 0.4 cm to 0.6 cm. Shape: Elliptic. Color: RHS 145A (Yellow-green) and RHS 137B (Green). Extrusion of the styles at the bud stage: Absent.
Corolla.—Quantity of petals per flower: 8 to 10. Corolla height: 1.0 cm to 1.5 cm. Petal length: 2.0 cm to 2.5 cm. Petal width: 1.0 cm to 1.3 cm. Petal shape: Spoon-shaped. Petal apex: Obtuse. Petal base: Acute. Petal margin: Entire. Depth of petal margin: Medium. Petal texture (both upper and lower surfaces): Smooth. Petal color: Immature: Upper surface: RHS N74A (Red-purple). Lower surface: RHS N74C (Red-purple). Mature: Upper surface: RHS 75A (Purple) with RHS 72A (Red-purple) eyes. Lower surface: RHS 76B (Purple).
Calyx.—Quantity of sepals per flower: Composed of 5 sepals. Shape: Campanulate. Calyx height: 0.8 cm to 1.2 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 (Green). Lower surface: RHS 137D (Green).
 Peduncles:
Length.—1.0 cm to 1.2 cm from the first nodium to the bud; approximately 13.0 cm from the soil line to bud.
Diameter.—0.1 cm to 0.2 cm.
Strength.—Strong.
Texture.—Smooth.
Color.—RHS 137B (Green).
 Reproductive organs:
Stamens.—Quantity per flower: Moderate. Filament length: 0.8 cm to 1.0 cm. Filament color: RHS 157B (Green-white). Anther length: 0.1 cm. Anther diameter: 0.05 cm. Anther color: RHS N155B (White).
 Pollen amount: Absent.
Pistils.—Not observed.
 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 OF 'KLEDG17050' WITH PARENTAL LINE AND KNOWN VARIETY

'KLEDG17050' is distinguished from the mutation parent as described in Table 1.

TABLE 1

Comparison with Parental Line		
Characteristic	'KLEDG17050'	Mutation Parent 'KLEDG12163'
Flower color	Pink with dark-pink eyes	Pink with purple eyes

'KLEDG17050' can be compared to the commercial *Dianthus* variety 'KLEDG12163' (U.S. Plant Pat. No. 24,707) and the commercial *Dianthus* variety 'KLEDG18305' (U.S. Plant patent application Ser. No. 15/998,600). Differences between the varieties are described in Table 2.

TABLE 2

Comparison with Similar Varieties			
Characteristic	'KLEDG17050'	'KLEDG12163'	'KLEDG18305'
Flower color	Pink with dark-pink eyes	Pink with purple eyes	Salmon pink with red rings
Flower type	Semi-double	Semi-double	Single

We claim:

1. A new and distinct variety of *Dianthus* plant designated 'KLEDG17050' as illustrated and described herein.

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