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

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(54) **DIANTHUS PLANT NAMED ‘KLEDG23495’**

(50) Latin Name: *Dianthus caryophyllus* L.
Varietal Denomination: **KLEDG23495**

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patent is extended or adjusted under 35
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A01H 5/02 (2018.01)
A01H 6/30 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./273**

CPC **A01H 6/305** (2018.05)
(58) **Field of Classification Search**
USPC **Plt./273**
CPC **A01H 6/305; A01H 5/02**
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

Selecta *Dianthus* Early Spring Crops catalog 2023/2024 (Year:
2023).*

* cited by examiner

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(57) **ABSTRACT**

A new *Dianthus* plant designated ‘KLEDG23495’ particu-
larly distinguished by double, salmon colored flowers that
change in appearance based on light intensity and an upright
plant form, is disclosed.

2 Drawing Sheets

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Dianthus caryophyllus L.
Variety denominations: ‘KLEDG23495’.

BACKGROUND

The present invention comprises a new and distinct vari-
ety of *Dianthus*, botanically known as *Dianthus caryophyl-
lus* L., and hereinafter referred to by the variety name
‘KLEDG23495’. ‘KLEDG23495’ originated from a cross
pollination from the proprietary female parent ‘DSS-2011-
0111’ (unpatented) and the proprietary male parent ‘DSS-
2016-0060’ (unpatented) in 2017 between May and August
in Stuttgart, Germany.

‘KLEDG23495’ was selected and first vegetatively propa-
gated in June 2018 by vegetative stem cuttings in Stuttgart,
Germany. ‘KLEDG23495’ 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 distinguish-
ing characteristics of ‘KLEDG23495’ when grown under
normal horticultural practices in Stuttgart, Germany.

1. Double, salmon colored flowers that change in appear-
ance based on light intensity;
2. Upright plant form.

DESCRIPTION OF THE PHOTOGRAPHS

These new *Dianthus* plants are illustrated by the accom-
panying photographs taken in a greenhouse in Stuttgart,
Germany. The colors shown are as true as can be reasonably
obtained by conventional photographic procedures.

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FIG. 1 is a photo of a whole plant of the new *Dianthus*
plant at 12 weeks old showing the foliage, buds and flower
of a 12-week-old plant taken in April 2022.

FIG. 2 is a photo of flower of the new *Dianthus* at six
months old under low light conditions in a greenhouse in
Stuttgart, Germany in April 2020.

FIG. 3 is a photo of flower of the new *Dianthus* plant at
two months old under high light conditions in a greenhouse
in Stuttgart, Germany in August 2020.

DESCRIPTION OF THE PLANT

The following detailed descriptions set forth the distinc-
tive characteristics of ‘KLEDG23495’. The data which
define these characteristics were collected from asexual
reproductions carried out in Stuttgart, Germany. Data was
collected in April 2024 on 6-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 caryophyllus* L.

Common.—Pot carnation.

Designation.—‘KLEDG23495’.

Parentage:

Female parent.—‘DSS-2011-0111’.

Male parent.—‘DSS-2016-0060’.

Plant:

Propagation type.—Vegetative cuttings via stem.

Time to produce a rooted young plant.—28 days.

Root description.—Fine; roots, color is white (RHS
155D).

Rooting habit shape.—Lanceolate.
Plant form.—Upright.
Plant height.—18.0 cm.
Plant diameter or spread.—23.0 cm.
 Lateral branches/stems:
Shape of the branch in cross-section.—Circular.
Hollowness of the branch.—Absent.
Length.—15.0 cm.
Diameter.—5.0 cm.
Internode length.—2.0 cm to 2.5 cm.
Internode thickness.—Medium.
Internode quantity per branch.—4 to 5.
Number of internodes per branch/stem.—4 to 5.
Node length.—0.4 cm.
Node diameter.—0.3 cm.
Texture.—Smooth.
Color.—RHS139D.
Flower clustering on the lateral branch.—None.
 Foliage:
Arrangement.—Opposite.
Length.—4.0 to 5.0 cm.
Width.—0.4 cm.
Shape.—Linear.
Apex.—Narrowly acute.
Base.—Round.
Margin.—Entire.
Texture (both upper and lower surfaces).—Smooth.
Cross-section of the leaf.—Weakly concave.
Curvature of the leaf.—Absent.
Glaucosity of the leaf.—Weak.
Leaf color (both immature and mature).—Immature:
 Upper surface: RHS 137B. Lower surface: RHS
 137D. Mature: Upper surface: RHS 137B. Lower
 surface: RHS 137D.
Venation pattern.—Absent.
 Flowers:
Flower type and habit.—Double.
Fragrance.—Present.
*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.*—Flat convex.
Diameter of the flower.—3.5 cm to 4.0 cm.
Natural flowering season.—Spring to autumn.
Number of flowers per spray.—2 to 3.
Flower longevity on the plant.—20 days.
 Buds:
Length.—1.8 cm.
Diameter.—0.7 cm.
Shape.—Oblong.
Color.—Upper part is RHS 138A, Lower part 144B.
Extrusion of the styles at the bud stage.—Absent.
 Corolla:
Quantity of petals and arrangement.—15 petals and
 arranged in several whorls.
Corolla height.—1.8 cm.
Petal length.—3.4 cm.
Petal width.—1.9 cm.
Petal shape.—Spoon shaped.
Petal apex.—Obtuse.

Petal base.—Acute.
Petal margin.—Inserted.
Depth of petal margin.—Shallow.
Petal texture (both upper and lower surfaces).—
 Smooth.
Petal color.—Immature: Upper surface: RHS 50A with
 RHS 52A macule under low light, RHS 55A with
 RHS 55C macule under high light conditions. Lower
 surface: RHS 52D. Mature: Upper surface: RHS 52B
 with RHS 52A macule under low light, RHS 55A
 with RHS 55C macule under high light conditions.
 Lower surface: RHS 52D.
Macule.—Present.
Macule size.—Medium.
 Calyx:
Quantity of sepals and arrangement.—Composed of 4
 sepals.
Longitudinal axis of the lobes of the calyx.—Straight.
Shape.—Cylindrical.
Calyx height.—2.0 cm.
Calyx diameter (at the apex).—0.7 cm.
Sepal texture (both upper and lower surfaces).—
 Smooth.
Sepal color.—Upper surface: RHS 139B. Lower sur-
 face: RHS 139C.
*Position of the outer lobes of the epicalyx in relation to
 the calyx.*—Adpressed.
Apex shape of the outer lobes of the epicalyx.—Me-
 dium acuminate.
Tip length of the outer lobes of the epicalyx.—0.2 cm.
Apex shape of the inner lobes of the epicalyx.—Short
 acuminate.
Tip length of the inner lobes of the epicalyx.—0.2 cm.
 Peduncles:
Length.—2.0 cm.
Diameter.—0.15 cm.
Strength.—Medium.
Texture.—Smooth.
Color.—RHS 139B.
 Reproductive organs:
Stamens.—None.
Pistils.—Quantity per flower: 2. Length: 1.1 cm. Diam-
 eter: 0.1 cm. Stigma: Color: RHS 75D. Shape: Fila-
 mentous. Length: 0.2 cm. Diameter: Less than 0.1
 cm. Style: Number of styles observed: 2. Style
 shoulder: Absent. Color: RHS 155A. Length: 0.9 cm.
 Diameter: 0.1 cm. Ovary: Shape: Obovate. Texture:
 Smooth. Color: RHS 145B. Width: 0.6 cm.
 Seeds: Yes.
Color.—RHS 200B to RHS 202A (Brown-black).
Size.—0.2 cm to 0.3 cm.
Shape.—Drop shaped.
 Disease and insect resistance: No particular disease or insect
 resistance observed.
 COMPARISON WITH PARENTAL LINES AND
 KNOWN VARIETY
 ‘KLEDG23495’ is distinguished from the parental lines as
 described in Table 1.

TABLE 1

Comparison with Parental Lines			
Characteristic	‘KLEDG23495’	Female Parent	Male Parent
Flower filling	Double	Double	Single
Flower color	Salmon	Purple, pink border	Soft cream, red purple ring

‘KLEDG23495’ can be compared to the commercial *Dianthus* variety ‘KLEDG20339’ (U.S. Plant Pat. No. 34,855). Differences between the varieties are described in Table 2.

TABLE 2

Comparison with Similar Variety		
Characteristic	‘KLEDG23495’	‘KLEDG20339’
Flower color	Salmon	Light cream

I claim:

1. A new and distinct cultivar of *Dianthus* Plant Named ‘KLEDG23495’ as illustrated and described herein.

* * * * *



FIG.1

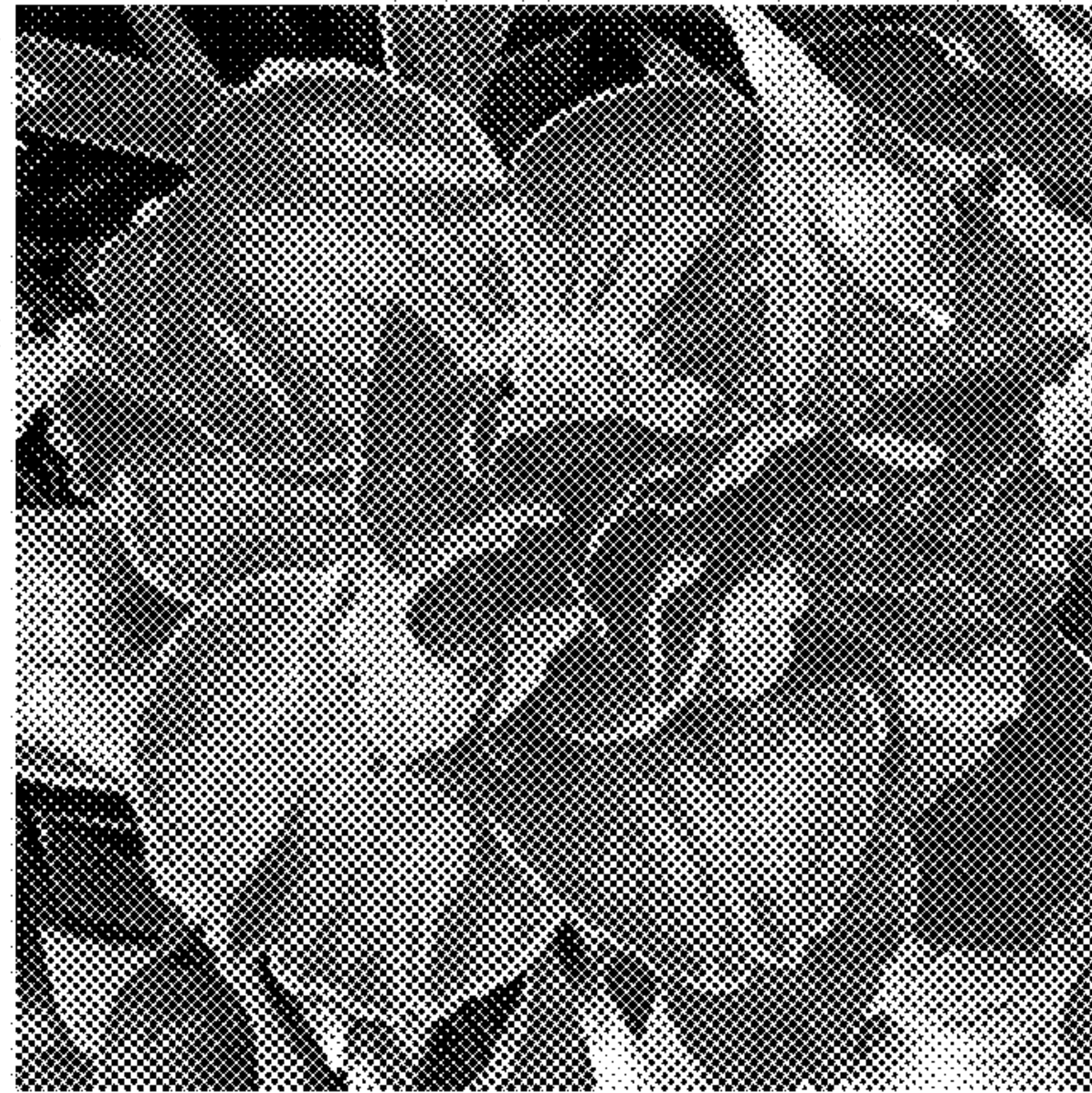


FIG. 2



FIG. 3