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Klemm et al.

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(54) **DIANTHUS PLANT NAMED ‘KLEDG19410’**

(50) Latin Name: *Dianthus* sp.
Varietal Denomination: **KLEDG19410**

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A01H 6/30 (2018.01)

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CPC **A01H 6/305** (2018.05)

(58) **Field of Classification Search**

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See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

UPOV hit on *Dianthus* plant named, ‘KLEDG19410’, QZ PBR
20191036, filed Apr. 25, 2019.*

* cited by examiner

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(57) **ABSTRACT**

A new *Dianthus* plant particularly distinguished by purple
flowers with a light red-purple border, very early flowering,
and an upright habit, is disclosed.

2 Drawing Sheets

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Genus and species: *Dianthus* sp.

Variety denomination: ‘KLEDG19410’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct variety of *Dianthus*, botanically known as *Dianthus* sp., and hereinafter referred to by the variety name ‘KLEDG19410’. ‘KLEDG19410’ originated from a spontaneous whole plant mutation of the commercial variety ‘KLEDG12163’ (U.S. Plant Pat. No. 24,707) in May 2016 in the Netherlands.

In September 2016, ‘KLEDG19410’ was first vegetatively propagated by vegetative cuttings in Stuttgart Germany. ‘KLEDG19410’ was found to reproduce true to type in successive generations of asexual propagation in Latina, Italy 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. Purple flowers with a light red-purple border;
2. Very early flowering; and
3. An upright habit.

DESCRIPTION OF THE PHOTOGRAPH

This new *Dianthus* plant is illustrated by the accompanying photograph of a plant approximately 5 months old and grown in a plastic greenhouse in Latina, Italy. The photographs were taken in March 2019. The colors shown are as true as can be reasonably obtained by conventional photographic procedures.

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FIG. 1 shows the whole plant grown in a pot.

FIG. 2 shows a close up image of the flowers and foliage of the plant.

DESCRIPTION OF THE NEW VARIETY

The following detailed descriptions set forth the distinctive characteristics of ‘KLEDG19410’. The data which define these characteristics were collected from asexual reproductions carried out in Latina, Italy. Data was collected in March 2019 on 5 month old plants propagated and grown in a plastic greenhouse under cold conditions. 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.

Common.—Perennial carnation.

Designation.—‘KLEDG19410’.

Parentage: Spontaneous whole plant mutation of ‘KLEDG12163’ (U.S. Plant Pat. No. 24,707).

Plant:

Plant form.—Upright.

Plant height.—6.0 cm to 8.0 cm.

Plant diameter or spread.—12.0 cm to 15.0 cm.

Propagation type.—Vegetative cuttings, stem cutting.

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

Root description.—White, fine.

Rooting habit (shape).—Lanceolate.

Lateral branches:

Number of lateral branches.—2 to 5.

Strength.—Moderate to strong.

Length.—5.0 cm to 6.0 cm.

Diameter.—1.8 cm to 2.3 cm.
Internode length.—0.2 cm to 1.0 cm.
Number of internodes per branch/stem.—3 to 5.
Node length.—0.2 cm to 0.4 cm.
Node diameter.—0.2 cm to 0.4 cm.
Texture.—Smooth.
Color.—RHS 146B.
Branch/stem appearance.—Solid.

Foliage:
Arrangement.—Opposite.
Length.—4.0 cm to 5.0 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 (both surfaces).—RHS 138A.
Mature leaf color (both surfaces).—RHS 137A.
Venation pattern.—Absent.

Flowers:
Flower type and habit.—Semidouble, small sprays, round.
Fragrance.—Present, gentle sweet carnation fragrance.
Natural flowering season.—Spring to fall.
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.
Corolla.—Quantity of petals and arrangement: 5 to 13 in several whorls. Corolla height: 0.8 cm to 1.5 cm. Corolla diameter: 2.0 cm to 2.5 cm. Petal length: 1.8 cm to 2.5 cm. Petal width: 1.0 cm to 1.5 cm. Petal shape: Spoon-shaped. Petal apex: Obtuse. Petal base: Acute. Petal margin: Serrated. Depth of petal margin: Shallow. Petal texture (both upper and lower surfaces): Smooth. Petal luster (both surfaces): Soft. Petal color: Immature: Upper surface: RHS N79A with RHS 73D at margins. Lower surface: RHS 77B. Mature: Upper surface: RHS N79A with RHS 73D at margins. Lower surface: RHS 77B.
Calyx.—Quantity of sepals and arrangement: Composed of 5 sepals, base fused, upper part separate. 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. Sepal length: 0.5 cm to 1 cm. Sepal

diameter: 0.2 cm to 0.3cm. Sepal apex: Acute. Sepal base: Fused. Sepal margin: Smooth. Sepal luster (both surfaces): Soft.

Peduncles:
Length.—5.0 cm to 8.0 cm.
Diameter.—0.2 cm.
Strength.—Moderate.
Texture.—Smooth.
Color.—RHS 146B.

Reproductive organs:
Stamens.—Quantity per flower: Moderate (5 to 7). Filament length: 0.5 cm to 0.8 cm. Filament color: RHS 157D. Anther length: 0.1 cm. Anther diameter: 0.05 cm. Anther color: RHS N155B. Pollen amount: Absent.
Pistils.—Not observed.

Fruit and seed set: None observed.
Disease and pest/insect resistance: No disease and pest/insect resistance observed.

COMPARISON WITH PARENTAL LINE AND KNOWN VARIETY

‘KLEDG19410’ is distinguished from its parent as described in Table 1.

TABLE 1

Comparison with Parental Line		
Characteristic	‘KLEDG19410’	‘KLEDG12163’
Main flower color	RHS N79A	RHS 75B
Flower color at margins	RHS 73D	RHS 71A

‘KLEDG19410’ can be compared to the commercial *Dianthus* variety ‘Peach Party’, also known as ‘KLEDG18305’ (Plant Pat. No. 31,019). Differences between the varieties are described in Table 2.

TABLE 2

Comparison with Similar Variety		
Characteristic	‘KLEDG19410’	‘KLEDG18305’
Flower type	Double	Single
Flower color	Purple with light red-purple border	Salmon-pink with a red ring
Flowering time	Very early	Early to medium

We claim:

1. A new and distinct variety of *Dianthus* plant designated ‘KLEDG19410’ as illustrated and described herein.

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FIG. 1



FIG. 2