



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

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(54) **VERBENA PLANT NAMED ‘KLEVP12431’**

(50) Latin Name: **Verbena sp.**
Varietal Denomination: **KLEVP12431**

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patent is extended or adjusted under 35
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(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A new *Verbena* plant particularly distinguished by large
purple and white flowers, excellent flower richness, early
flowering time, a strong growth habit and good resistance to
powdery mildew, is disclosed.

1 Drawing Sheet

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Genus and species: *Verbena* sp.
Variety denomination: ‘KLEVP12431’.

**CROSS REFERENCE TO RELATED
APPLICATIONS**

This application claims, under 35 U.S.C. §119, priority to
and the benefit of European Community Plant Variety Rights
Application No. 2013/1833, filed Jul. 3, 2013, the entire
contents of which are incorporated herein by reference for all
purposes.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct variety
of *Verbena*, botanically known as *Verbena* sp., and hereinafter
referred to by the variety name ‘KLEVP12431’. ‘KLEVP12431’
originated from a cross-pollination conducted in April 2009 in
Sydney, Australia between the proprietary female *Verbena*
variety ‘V 985’ (unpatented), and the proprietary male
Verbena variety derived from the cross of ‘V 641’ (unpatented)
× ‘V 740’ (unpatented).

The seeds from the cross were sown and plants were grown
for evaluation, where an individual plant designated
‘KLEVP12431’ was selected from the group of plants in
Cobitty, NSW, Australia in September, 2010.

In September 2010, ‘KLEVP12431’ was first vegetatively
propagated by vegetative cuttings in Cobitty, NSW, Australia.
‘KLEVP12431’ was found to reproduce true to type in suc-
cessive generations of asexual propagation via vegetative
cuttings.

SUMMARY

The following are the most outstanding and distinguishing
characteristics of this new variety when grown under normal
horticultural practices in Stuttgart, Germany.

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1. Large purple and white flowers;
2. Excellent flower richness;
3. Early flowering time;
4. A strong growth habit; and
5. Good resistance to powdery mildew.

DESCRIPTION OF THE PHOTOGRAPH

This new *Verbena* plant is illustrated by the accompanying
photograph which shows the plant’s overall plant habit
including form, foliage, and flowers.

The photograph is of a two to three-month-old plant grown
in a greenhouse in Stuttgart, Germany in May 2012. The
colors shown are as true as can be reasonably obtained by
conventional photographic procedures.

DESCRIPTION OF THE NEW VARIETY

The following detailed descriptions set forth the distinctive
characteristics of ‘KLEVP12431’. The data which define
these characteristics were collected from asexual reproduc-
tions carried out in Stuttgart, Germany. Data was collected on
three-month-old plants grown in a greenhouse in Stuttgart,
Germany in February 2014. Color references are to The
R.H.S. Colour Chart of The Royal Horticultural Society of
London (R.H.S.)(2005).

Classification:

Family.—Verbenaceae.

Botanical.—*Verbena* sp.

Common.—*Verbena*.

Designation.—‘KLEVP12431’.

Parentage:

Female parent.—The proprietary *verbena* variety ‘V 985’ (unpatented).
Male parent.—The proprietary male *verbena* variety derived from the cross of ‘V 641’ (unpatented)×‘V 740’ (unpatented).

Plant:

Growth and branching habit.—Upright.
Height (from top of soil).—30.0 cm.
Width (horizontal plant diameter).—30.0 cm.
Time to produce a finished flowering plant.—Approximately 8 weeks.
Time to initiate and develop roots.—3 weeks.
Root description.—White.

Stems:

Number of branches per plant.—More than 10.
Growth habit.—Semi-upright.
Length.—20.0 cm.
Diameter.—1.0 cm.
Internode length.—Approximately 2.0 cm.
Color.—RHS 130B.
Anthocyanin.—Absent.
Texture and appearance.—Pubescence, round.

Leaves:

Arrangement.—Opposite.
Immature and mature leaf.—Color: Upper surface: RHS 141A. Lower surface: RHS 141C.
Length.—2.5 cm.
Width.—1.5 cm.
Shape.—Lanceolate.
Apex.—Acute.
Base.—Obtuse.
Margin.—Crenate.
Texture.—Upper surface: Leathery. Lower surface: Rugose.
Venation type.—Pinnate.
Venation color.—Upper surface: RHS 141D. Lower surface: RHS 141D.
Petioles.—Length: 1.0 cm. Diameter: 0.1 cm. Color: RHS 141D. Texture: Leathery.

Flower buds:

Shape.—Tall, cylindrical.
Length.—0.5 cm.
Diameter.—0.1 cm.
Color (at tight bud).—RHS 59A.

Inflorescence:

Blooming habit (flowering season).—Continuously.
Lastingness of individual blooms on the plant.—2 weeks.
Fragrance.—Absent.
Inflorescence type.—Umbel.
Length of inflorescence.—6.0 cm.
Diameter of inflorescence.—6.0 cm.
Number of florets per inflorescence.—More than 15.
Peduncle.—Color: RHS 141A. Length: 4.0 cm. Diameter: 0.1 cm.

Florets:

Length.—2.0 cm.
Diameter.—4.0 cm.
Texture.—Glossy.
Form.—Umbel.
Color.—Immature: Upper surface: RHS 91D and RHS 999D. Lower surface: RHS 91D and RHS 999D. Mature: Upper surface: RHS 91C and RHS 999D. Lower surface: RHS 91C and RHS 999D.

Corolla tube length.—0.2 cm.
Corolla tube color.—RHS 91C.
Petals.—Length of lobe: 2.0 cm. Diameter of lobe: 2.0 cm. Lobe shape: Round. Apex: Acute. Base: Obtuse. Margin: Entire. Texture: Upper surface: Glossy, satiny. Lower surface: Glossy, satiny.
Pedicels.—Length: Approximately 1.0 cm. Diameter: 0.1 cm. Color: RHS 91C and RHS 999D. Texture and appearance: Hairy, dull. Arrangement: Round.

Sepals:

Shape.—Lanceolate.
Apex.—Acute.
Base.—Obtuse.
Margin.—Entire.
Length.—2.0 cm.
Diameter.—1.5 cm.
Color.—RHS 141C.
Texture.—Upper surface: Hairy, dull. Lower surface: Hairy, dull.

Reproductive organs:

Stamens.—Present.
Quantity.—Numerous.
Filament length.—0.1 cm.
Filament diameter.—Less than 0.1 cm.
Anther.—Shape: Elliptic. Color: RHS 141D. Length: Less than 0.1 cm. Diameter: Less than 0.1 cm.
Pollen amount.—Absent.
Pistils.—Number: 1. Length: 1.0 cm. Diameter: Less than 0.1 cm. Stigma: Color: RHS 141D. Appearance: Ovate. Length: Less than 0.1 cm. Diameter: Less than 0.1 cm. Style: Color: RHS 141D. Length: 0.2 cm. Diameter: Less than 0.1 cm. Appearance: Long.

Fruit and seed set: Seeds: None observed.
Disease and pest/insect resistance: Good tolerance against powdery mildew, very good weather resistance.

COMPARISON WITH PARENTAL LINES AND KNOWN VARIETIES

‘KLEVP12431’ is distinguished from its parents as described in Table 1.

TABLE 1

Comparison with Parental Lines			
Trait	Variety ‘KLEVP12431’	Female parent ‘V 985’	Male Parent ‘V 641’ × ‘V 740’
Flower richness	Excellent	Good	Good
Earliness	Early	Early	Medium

‘KLEVP12431’ is most similar to the commercial *verbena* Vepita ‘Lavender White’ (patent status unknown). Differences between the varieties are described in Table 2.

TABLE 2

Comparison with Similar Variety		
Trait	Variety ‘KLEVP12431’	Commercial line Vepita ‘Lavender White’
Flowering time	Earlier than Vepita ‘Lavender White’	Late
Flower size	Bigger than Vepita ‘Lavender White’	Smaller than ‘KLEVP12431’
Growth habit	Stronger than Vepita ‘Lavender White’	Weaker than ‘KLEVP12431’

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TABLE 2-continued

Comparison with Similar Variety		
Trait	Variety ‘KLEVP12431’	Commercial line Vepita ‘Lavender White’
Resistance against powdery mildew	Better than Vepita ‘Lavender White’	Not as good as ‘KLEVP12431’

I claim:
1. A new and distinct variety of *Verbena* plant designated ‘KLEVP12431’ as shown and described herein.

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