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

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(54) **VERBENA PLANT NAMED ‘KLEVP06349’**

(50) Latin Name: *Verbena hybrida*  
Varietal Denomination: **KLEVP06349**

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patent is extended or adjusted under 35  
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**A01H 5/00** (2006.01)

(52) **U.S. Cl.** ..... **Plt./308**

(58) **Field of Classification Search** ..... **Plt./308**  
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

Upov-rom GTITM, Plant Variety Database Feb. 2008, GTI  
Jouve Retrieval Software, citation for Verbena  
‘Klevp06349’2 pp.\*

\* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of *Verbena* plant named  
‘KLEVP06349’, characterized by its upright to mounding  
and cascading plant habit; freely branching habit; freely  
flowering habit; large pale violet blue-colored flowers that  
are held above and beyond the foliage; and resistance to  
Powdery Mildew.

**1 Drawing Sheet**

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Botanical designation: *Verbena hybrida*.  
Cultivar denomination: ‘KLEVP06349’.

#### BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar  
of *Verbena*, botanically known as *Verbena hybrida*, and  
hereinafter referred to by the name ‘KLEVP06349’.

The new *Verbena* is a product of a planned breeding pro-  
gram conducted by the Inventor in Camden, New South  
Wales, Australia. The objective of the breeding program is to  
create new disease-resistant *Verbena* cultivars with compact  
plant habit and attractive flower coloration.

The new *Verbena* originated from a cross-pollination  
made by the Inventor in 2003 in Camden, New South Wales,  
Australia of a proprietary seedling selection of *Verbena*  
*hybrida* identified as code number V 1, not patented, as the  
female, or seed, parent with a proprietary seedling selection  
of *Verbena hybrida* identified as code number V 2, not  
patented, as the male, or pollen, parent. The new *Verbena*  
was discovered and selected by the Inventor as a single flow-  
ering plant within the progeny of the stated cross-pollination  
in a controlled environment in Camden, New South Wales,  
Australia in 2003.

Asexual reproduction of the new *Verbena* by terminal cut-  
tings in a controlled environment in Stuttgart, Germany  
since 2003 has shown that the unique features of this new  
*Verbena* are stable and reproduced true to type in successive  
generations.

#### SUMMARY OF THE INVENTION

The cultivar KLEVP06349 has not been observed under  
all possible environmental conditions. The phenotype may  
vary somewhat with variations in environment and cultural  
practices such as temperature, daylength and light intensity  
without, however, any variance in genotype.

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The following traits have been repeatedly observed and  
are determined to be the unique characteristics of  
‘KLEVP06349’. These characteristics in combination dis-  
tinguish ‘KLEVP06349’ as a new and distinct cultivar of  
*Verbena*:

1. Initially upright to mounding and cascading plant habit.
2. Freely branching habit.
3. Freely flowering habit.
4. Large pale violet blue-colored flowers that are held  
above and beyond the foliage.
5. Resistant to Powdery Mildew.

Plants of the new *Verbena* can be compared to plants of  
the female parent selection. Plants of the new *Verbena* differ  
from plants of the female parent selection in the following  
characteristics:

1. Plants of the new *Verbena* have smaller flowers than  
plants of the female parent selection.
2. Plants of the new *Verbena* and the female parent selec-  
tion differ in flower color as plants of the female parent  
selection have purple-colored flowers with white-  
colored eyes.

Plants of the new *Verbena* can be compared to plants of  
the male parent selection. Plants of the new *Verbena* differ  
from plants of the male parent selection in the following  
characteristics:

1. Plants of the new *Verbena* have larger flowers than  
plants of the male parent selection.
2. Plants of the new *Verbena* and the male parent selection  
differ in flower color as plants of the male parent selec-  
tion have dark pink-colored flowers.

Plants of the new *Verbena* can be compared to plants of  
the *Verbena* cultivar KLEVE03321, disclosed in U.S. Plant  
Pat. No. 16,434. In side-by-side comparisons conducted in  
Stuttgart, Germany, plants of the new *Verbena* differed pri-



marily from plants of the cultivar KLEVE03321 in flower color.

#### BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the overall appearance of the new *Verbena*, showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photograph may differ slightly from the color values cited in the detailed botanical description which accurately describe the colors of the new *Verbena*. The photograph comprises a side perspective view of a typical flowering plant of 'KLEVP06349'.

#### DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations, measurements and values describe plants grown in Stuttgart, Germany in a glass-covered greenhouse during the spring and under conditions which closely approximate commercial production. During the production of the plants, day temperatures ranged from 18° C. to 22° C., night temperatures ranged from 15° C. to 18° C. and light levels ranged from 20,000 lux to 55,000 lux. Plants were pinched one time about two weeks after planting and were about three months old when the photograph and the description were taken. In the description, color references are made to The Royal Horticultural Society Colour Chart, 2001 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Verbena hybrida* cultivar KLEVP06349.

#### Parentage:

*Female, or seed, parent.*—Proprietary seedling selection of *Verbena hybrida* identified as code number V 1, not patented.

*Male, or pollen, parent.*—Proprietary seedling selection of *Verbena hybrida* identified as code number V 2, not patented.

#### Propagation:

*Type.*—Terminal cuttings.

*Time to initiate roots, summer.*—About 14 days at 20° C. to 22° C.

*Time to initiate roots, winter.*—About 20 days at 20° C. to 22° C.

*Time to produce a rooted cutting, summer.*—About 60 days at 20° C. to 22° C.

*Time to produce a rooted cutting, winter.*—About 70 days at 20° C. to 22° C.

*Root description.*—Thick, fibrous; pale white in color.

*Rooting habit.*—Moderate branching; moderately dense.

#### Plant description:

*Plant habit.*—Initially upright, then mounding to cascading plant habit. Freely branching habit with about five primary lateral branches per plant each with numerous secondary branches; pinching enhances lateral branch development; dense and bushy plant habit. Moderately vigorous growth habit.

*Plant height.*—About 15 cm.

*Plant diameter.*—About 60 cm.

#### Lateral branch description:

*Length.*—About 25 cm.

*Diameter.*—About 2 mm.

*Internode length.*—About 5 cm.

*Strength.*—Weak.

*Texture.*—Pubescent.

*Color.*—141D.

#### Foliage description:

*Arrangement.*—Opposite, simple.

*Length.*—About 3 cm.

*Width.*—About 3 cm.

*Shape.*—Roughly deltoid.

*Apex.*—Cuspidate.

*Base.*—Obtuse.

*Margin.*—Crenate.

*Texture, upper and lower surfaces.*—Smooth, glabrous.

*Venation pattern.*—Pinnate.

*Color.*—Developing foliage, upper and lower surfaces: 141D. Fully expanded foliage, upper and lower surfaces: 141D; venation, 141D.

*Petiole.*—Length: About 2 cm. Diameter: About 0.5 mm. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 141D.

#### Flower description:

*Flower arrangement and habit.*—Salverform flowers arranged in hemispherical terminal umbels; flowers face upward or outward. Freely flowering habit with about 25 flowers per inflorescence.

*Natural flowering season.*—Plants flower continuously from the spring through the fall in Germany.

*Flower longevity.*—Flowers last about two weeks on the plant. Flowers not persistent.

*Fragrance.*—None detected.

*Flowers.*—Appearance: Flared trumpet, corolla fused, five-parted. Diameter: About 3 cm. Depth (height): About 3 cm. Tube length: About 2 cm. Throat diameter: About 1 mm. Tube diameter, base: About 0.5 mm.

*Flower buds.*—Length: About 3 cm. Diameter: About 3 mm. Shape: Cylindrical. Color: 98C.

*Corolla.*—Arrangement: Single whorl of five fused petals. Petal lobe length: About 1 cm. Petal lobe width: About 1 cm. Petal lobe shape: Roughly cordate. Petal lobe apex: Obtuse to cordate. Petal margin: Entire. Petal texture, upper and lower surfaces: Smooth, glabrous. Color: Petal, when opening, upper and lower surfaces: 97A. Petal, fully opened, upper and lower surfaces: 97B; color becoming closer to 97C with development. Throat: 97C. Tube: 97C.

*Calyx.*—Arrangement: One single narrow calyx tube per flower with five fused sepals. Sepal length: About 1.5 cm. Sepal width: About 2 mm. Sepal shape: Lanceolate. Sepal apex: Acute. Sepal base: Obtuse. Sepal margin: Serrate. Sepal texture, upper and lower surfaces: Pubescent; rough. Sepal color, upper and lower surfaces: Close to 141D.

*Peduncles.*—Length: About 1.5 cm. Diameter: About 0.15 mm. Strength: Moderately strong. Texture: Pubescent; rough. Color: 141C.

*Pedicels.*—Flowers are sessile.

*Reproductive organs.*—Stamens: Quantity/arrangement: Four per flower, adnate to corolla tube. Anther shape: Elliptic. Anther length: Less than 1 mm. Anther color: 142B. Pollen amount: None observed. Pistils: Minute. Quantity: One per flower. Stigma shape: Lanceolate. Stigma color: 142D. Style color: 142B. Ovary color: 142B. Fruits/seed: Fruit and seed development have not been observed.

Temperature tolerance: Plants of the new *Verbena* have been observed to tolerate temperatures from about 1° C. to about 40° C.

Pathogen/pest resistance: Plants of the new *Verbena* have been observed to be resistant to Powdery Mildew. Plants of the new *Verbena* have not been observed to be resistant to pests and other pathogens common to *Verbenas*.

It is claimed:

1. A new and distinct *Verbena* plant named ‘KLEVP06349’ as illustrated and described.

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