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

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(54) ***NIEREMBERGIA* PLANT NAMED  
'KLENC06134'**

(51) **Int. Cl.**  
**A01H 5/00** (2006.01)

(50) Latin Name: *Nierembergia caerulea*  
Varietal Denomination: **KLENC06134**

(52) **U.S. Cl.** ..... **Plt./459**

(58) **Field of Classification Search** ..... **Plt./459**  
See application file for complete search history.

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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.

(57) **ABSTRACT**

A new and distinct cultivar of *Nierembergia* plant named  
'KLENC06134', characterized by its compact, upright and  
outwardly spreading and mounding plant habit; moderately  
vigorous growth habit; freely branching habit; large white-  
colored flowers; freely and continuous flowering habit; and  
good garden performance.

(21) Appl. No.: **12/002,490**

(22) Filed: **Dec. 17, 2007**

**2 Drawing Sheets**

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Botanical designation: *Nierembergia caerulea*.  
Cutlvar denomination: 'KLENC06134'.

**BACKGROUND OF THE INVENTION**

The present invention relates to a new and distinct cultivar  
of *Nierembergia*, botanically known as *Nierembergia caer-  
ulea* and hereinafter referred to by the name  
'KLENC06134'.

The new *Nierembergia* is a product of a planned breeding  
program conducted by the Inventor in Stuttgart, Germany.  
The objective of the breeding program was to create new  
compact *Nierembergia* cultivars that flower continuously.

The new *Nierembergia* originated from an open-  
pollination during the summer of 2003, in Stuttgart,  
Germany, of a proprietary selection of *Nierembergia caer-  
ulea* identified as code number J 3, not patented, as the  
female, or seed, parent with an unknown selection of *Nier-  
embergia caerulea*, as the male, or pollen, parent. The new  
*Nierembergia* was discovered and selected by the Inventor as  
a single flowering plant within the progeny of the stated  
open-pollination in a controlled environment in Stuttgart,  
Germany in May, 2004.

Asexual reproduction of the new *Nierembergia* by vegeta-  
tive cuttings in a controlled environment in Stuttgart, Ger-  
many since May, 2004, has shown that the unique features of  
this new *Nierembergia* are stable and reproduced true to type  
in successive generations.

**SUMMARY OF THE INVENTION**

The cultivar KLENC06134 has not been observed under  
all possible environmental conditions. The phenotype may  
vary somewhat with variations in environment and cultural  
practices such as temperature and light intensity without,  
however, any variance in genotype.

The following traits have been repeatedly observed and  
are determined to be the unique characteristics of  
'KLENC06134'. These characteristics in combination dis-  
tinguish 'KLENC06134' as a new and distinct cultivar of  
*Nierembergia*:

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1. Compact, upright to outwardly spreading and mound-  
ing plant habit.
2. Moderately vigorous growth habit.
3. Freely branching habit.
4. Large white-colored flowers.
5. Freely and continuous flowering habit.
6. Good garden performance.

Compared to plants of the female parent selection, plants  
of the new *Nierembergia* are more compact.

Plants of the new *Nierembergia* can also be compared to  
plants of the cultivar BeBop Blue, unpatented. In side-by-  
side comparisons conducted in Stuttgart, Germany, plants of  
the new *Nierembergia* and the cultivar BeBop Blue differed  
in the following characteristics:

1. Plants of the new *Nierembergia* were more compact  
than plants of the cultivar BeBop Blue.
2. Plants of the new *Nierembergia* flowered earlier than  
plants of the cultivar BeBop Blue.
3. Plants of the new *Nierembergia* and the cultivar BeBop  
Blue differed in flower color as plants of the cultivar  
BeBop Blue have blue-colored flowers.

**BRIEF DESCRIPTION OF THE PHOTOGRAPHS**

The accompanying colored photographs illustrate the  
overall appearance of the new *Nierembergia*, showing the  
colors as true as it is reasonably possible to obtain in colored  
reproductions of this type. Colors in the photographs may  
differ slightly from the color values cited in the detailed  
botanical description which accurately describe the colors of  
the new *Nierembergia*.

The photograph on the first sheet is a side perspective  
view of a typical flowering plant of 'KLENC06134' grown  
in a container.

The photograph on the second sheet is a close-up view of  
typical flowers of 'KLENC06134'.

**DETAILED BOTANICAL DESCRIPTION**

The aforementioned photographs and following  
observations, measurements and values describe plants



grown in Stuttgart, Germany, under commercial practice during the spring in a glass-covered greenhouse with day temperatures ranging from 14° C. to 16° C., night temperatures ranging from 12° C. to 14° C. and light levels about 20,000 lux. Plants had been growing for about five months when the photographs and description were taken. In the following 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: *Nierembergia caerulea* cultivar KLENC06134.

Parentage:

*Female, or seed, parent.*—Proprietary selection of *Nierembergia caerulea* identified as code number J 3, not patented.

*Male, or pollen, parent.*—Unknown selection of *Nierembergia caerulea*, not patented.

Propagation:

*Type.*—By vegetative cuttings.

*Time to initiate roots, summer.*—About three weeks at 20° C. to 26° C.

*Time to initiate roots, winter.*—About four weeks at 20° C.

*Time to produce a rooted young plant roots.*—About 25 days at 20° C.

*Root description.*—Fine, fibrous; white in color.

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

Plant description:

*Plant form/habit.*—Compact, upright to outwardly spreading and mounding plant habit; moderately vigorous growth habit. Freely branching habit; about seven primary lateral branches with numerous secondary lateral branches developing per plant.

*Plant height.*—About 5 cm.

*Plant width (spread).*—About 18 cm.

*Lateral branches.*—Length: About 9 cm. Diameter: About 1 mm. Internode length: About 8 mm to 15 mm. Strength: Moderately strong. Texture: Smooth, glabrous. Color: 146B.

Foliage description:

*Arrangement.*—Alternate, simple; sessile.

*Length.*—About 5 mm to 10 cm.

*Width.*—About 2 mm.

*Shape.*—Lanceolate.

*Apex.*—Acute.

*Base.*—Cordate.

*Margin.*—Entire.

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

*Venation pattern.*—Pinnate.

*Color.*—Developing and fully expanded leaves, upper surface: 146A; venation, 146C. Developing and fully expanded leaves, lower surface: 146B; venation, 146C.

Flower description:

*Flower type/habit.*—Single salverform flowers; flowers face mostly upright. Freely flowering habit with about 50 flowers and flower buds developing per lateral branch.

*Fragrance.*—None detected.

*Natural flowering season.*—Continuously flowering from spring to late autumn in Stuttgart, Germany. Flowers not persistent.

*Postproduction longevity.*—Flowers last about five days on the plant.

*Flower buds.*—Height: About 1.3 cm. Diameter: About 4 mm. Shape: Obovate. Color: 154D.

*Flower diameter.*—About 2.5 cm.

*Flower depth.*—About 3 cm.

*Petals.*—Quantity per flower: Typically five in a single whorl; petals fused. Length: About 1.2 cm. Width: About 1 cm. Shape: Roughly spatulate. Apex: Obtuse to acute. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color: Developing and fully expanded petals, upper surface: 155B; towards the base, close to 9A. Developing and fully expanded petals, lower surface: 155D.

*Sepals.*—Quantity per flower: Typically five in a single whorl, fused at base; star-shaped calyx. Length: About 5 mm. Width: About 3 mm. Shape: Lanceolate. Apex: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper and lower surfaces: 147A.

*Peduncles.*—Length: About 5 mm. Diameter: About 1 mm. Angle: About 30° from vertical. Texture: Smooth, glabrous. Color: 146A.

*Reproductive organs.*—Stamens: Quantity per flower: Typically five. Anther shape: Elliptic. Anther length: About 1 mm. Anther color: 5A. Pollen amount: Abundant. Pollen color: 5A. Pistils: Quantity per flower: One. Pistil length: About 2 cm. Stigma shape: Oval. Stigma color: 144A. Style color: 145C. Ovary color: 145C.

*Fruits.*—Length: About 3 mm. Diameter: About 3 mm. Texture: Smooth. Color: 165B.

*Seeds.*—Quantity per fruit: About 15. Length: About 1 mm. Diameter: About 1 mm. Texture: Smooth. Color: 200C.

Disease/pest resistance: Plants of the new *Nierembergia* have not been noted to be resistant to pathogens and pests common to *Nierembergia*.

Garden performance: Plants of the new *Nierembergia* have been observed to have good garden performance and tolerate rain, wind and temperatures from about 1° C. to about 40° C.

It is claimed:

1. A new and distinct *Nierembergia* plant named 'KLENC06134' as illustrated and described.

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