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Klemm et al.

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(54) **LOBELIA PLANT NAMED ‘KLELE08621’**

(50) Latin Name: *Lobelia erinus*
Varietal Denomination: **KLELE08621**

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patent is extended or adjusted under 35
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(52) **U.S. Cl.** **Plt./451**

(58) **Field of Classification Search** **Plt./451**
See application file for complete search history.

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(57) **ABSTRACT**

A new cultivar of *Lobelia* named ‘KLELE08621’ particularly
characterized by small, white flowers, and a compact and
trailing growth habit, is disclosed.

1 Drawing Sheet

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Genus and species: *Lobelia erinus*.
Variety denomination: ‘KLELE08621’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct cultivar
of *Lobelia*, botanically known as *Lobelia erinus*, and herein-
after referred to by the cultivar name ‘KLELE08621’. ‘KLELE08621’
originated from a controlled cross made in May 2005 in Stuttgart,
Germany between the proprietary female *Lobelia* plant, ‘05 0368’
(unpatented) and the proprietary male *Lobelia* plant, ‘05 0357’
(unpatented). A single plant selection was subsequently chosen
for further evaluation and for asexual propagation.

The new cultivar was first propagated in June 2006 by
vegetative cuttings in Stuttgart, Germany and has been asexu-
ally reproduced repeatedly by vegetative cuttings and in-vitro
propagation in Stuttgart, Germany over a three-year period
(about five generations). ‘KLELE08621’ has been found to
retain its distinctive characteristics through successive
asexual propagations.

Plant Breeder’s Rights for this cultivar were applied for in
Canada on Mar. 31, 2008. ‘KLELE08621’ has not been made
publicly available more than one year prior to the filing date
of this application.

SUMMARY OF THE INVENTION

The following are the most outstanding and distinguishing
characteristics of this new cultivar when grown under normal
commercial practices in a greenhouse in Stuttgart, Germany.

1. Small, white flowers; and
2. A compact and trailing growth habit.

DESCRIPTION OF THE PHOTOGRAPH

This new *Lobelia* plant is illustrated by the accompanying
photograph which shows a close-up of the mature flowers,
buds and foliage. The colors shown are as true as can be
reasonably obtained by conventional photographic proce-
dures.

The photograph is of a plant about three months old and
grown from rooted cuttings in 10-cm pots in a greenhouse

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(glasshouse) in Stuttgart, Germany between February to May
under conditions which approximate those generally used in
commercial practice.

DESCRIPTION OF THE NEW CULTIVAR

The following detailed descriptions set forth the distinctive
characteristics of ‘KLELE08621’. The data which define
these characteristics were collected from asexual reproduc-
tions carried out in Stuttgart, Germany. The plant history was
taken on two-month old plants in 10-cm pots that were
pinched once and grown in a greenhouse in the Spring. The
color readings were determined under natural light. Color
references are to The R.H.S. Colour Chart of The Royal
Horticultural Society of London (R.H.S.) (2001).

DESCRIPTION OF THE NEW PLANT

Classification:

Family.—Campanulaceae.

Genus and species.—*Lobelia erinus*.

Common name.—*Lobelia*.

Parentage:

Female parent.—The proprietary *Lobelia* plant ‘05
0368’ (unpatented).

Male parent.—The proprietary *Lobelia* plant ‘05 0357’
(unpatented).

Plant:

Growth and branching habit.—Compact vigor, good
branching.

Form.—Trailing.

*Height (measured from the top of the soil, including any
flowers)*.—10.0 cm.

*Width (horizontal plant diameter, including any
flowers)*.—21.0 cm.

Time to produce a finished flowering plant.—9 weeks.

Outdoor plant performance.—Good.

Time to initiate roots.—3 weeks.

Root description.—Fine, white, moderate branching.

Stems:

Length.—About 15.0 cm.

Diameter.—0.15 cm.

- Internode length*.—1.0 cm to 1.5 cm.
Color.—RHS 137A.
Texture.—Smooth, moderately ribbed.
Stem anthocyanin.—Absent.
Peduncle.—Color: RHS 141B. Length: 1.5 cm to 2.0 cm. 5
 Diameter: 0.03 cm to 0.05 cm. Texture: Smooth.
- Leaves:
- Arrangement*.—Alternate.
Attachment.—Sessile.
Color, immature leaf (both surfaces).—RHS 141A. 10
Color, mature leaf.—Upper surface: Between RHS 141A and RHS 137A. Lower surface: RHS 137C.
Length.—Basal leaves are 3.0 cm to 4.0 cm and upper leaves are about 1.0 cm.
Width.—Basal leaves are 0.7 cm to 1.0 cm and upper 15
 leaves are 0.1 cm to 0.2 cm.
Shape.—Basal leaves are lanceolate and upper leaves are narrow lanceolate.
Margin.—Basal leaves are serrate and upper leaves are entire. 20
Apex.—Basal leaves are obtuse and upper leaves are acuminate.
Base.—Acute.
Texture (both surfaces).—Smooth.
Venation pattern.—Pinnate. 25
Venation color.—RHS 144C.
- Flower bud:
- Shape*.—Inverse drop.
Diameter.—0.2 cm to 0.3 cm.
Length.—0.5 cm to 0.7 cm.
Color when bud is first starting to open.—RHS 1D.
- Inflorescence:
- Blooming habit*.—Continuous.
Lastingness of individual blooms on plant.—5 to 8 days.
Fragrance.—Absent. 30
Inflorescence type.—Raceme.
Quantity of flowers and buds per flowering branch.—10 to 15.
- Flowers:
- Flower diameter (horizontal)*.—About 1.7 cm. 40
Flower height (vertical).—About 1.5 cm.
Immature flower.—Color, upper and lower lobes (both surfaces): Whiter than RHS 155D.
Mature flower.—Upper lobe: Color (both surfaces): Whiter than RHS 155D. Length: 0.8 cm. Width: 0.6 45
 cm. Shape: Obovate. Apex: Obtuse. Margin: Entire.

- Texture (both surfaces): Smooth. Lower lobes: Color (both surfaces): Whiter than RHS 155D. Length: About 0.6 cm. Width: About 0.2 cm. Shape: Obovate. Apex: Obtuse. Margin: Entire. Texture (both surfaces): Smooth.
- Corolla*.—Color: Inside: Whiter than RHS 155D with yellowish stripes. Outside: Whiter than RHS 155D. Tube length: About 1.0 cm. Diameter: 0.3 cm.
- Calyx*.—Sepals: Color (both upper and lower surfaces): RHS 141B. Length: About 1.0 cm. Diameter: About 1.0 cm. Shape: Funnel, star-shaped (sepals are fused in the lower half). Apex: Acute. Texture: Smooth.
- Reproductive organs:
- Androecium*.—Number of anthers: 5. Filament length: About 0.5 cm. Pollen color: Dark yellow. Pollen amount: Abundant.
- Gynoecium*.—Pistil length: About 0.5 cm. Stigma color: Green. Style color: Whitish. Style length: About 1.0 cm.
- Fruit and seed set: Seeds are small, round, 0.05 cm wide and light brown in color.
- Disease and insect resistance: No particular disease or insect resistance observed.

COMPARISON WITH PARENTAL AND COMMERCIAL CULTIVARS

- ‘KLELE08621’ differs from the female parent, the proprietary *Lobelia* ‘05 0368’ (unpatented), in that ‘KLELE08621’ 30
 has white flowers and a compact growth habit, while ‘05 0368’ has blue flowers with an eye and a more vigorous growth habit.
- ‘KLELE08621’ differs from the male parent, the proprietary *Lobelia* ‘05 0357’ (unpatented), in that ‘KLELE08621’ 35
 has white flowers and a trailing growth habit, while ‘05 0357’ has pink flowers and an upright growth habit.
- ‘KLELE08621’ differs from the commercial comparison variety, ‘KLELE06115’ (U.S. Plant Pat. No. 19,693), in that ‘KLELE08621’ has a lower vigor and smaller flowers, while 40
 ‘KLELE06115’ has a higher vigor and larger flowers.

I claim:

1. A new and distinct cultivar of *Lobelia* plant named ‘KLELE08621’ as shown and described herein.

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