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**(12) United States Plant Patent
Klemm****(10) Patent No.: US PP15,362 P2
(45) Date of Patent: Nov. 23, 2004**(54) **CALIBRACHOA PLANT NAMED 'KLECO2064'**(50) Latin Name: *Calibrachoa* sp.
Varietal Denomination: **KLECO2064**(75) Inventor: **Nils Klemm**, Stuttgart (DE)(73) Assignee: **Klemm & Sohn GmbH & Co. KG.**,
Stuttgart (DE)(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.(21) Appl. No.: **10/783,364**(22) Filed: **Feb. 21, 2004**(51) Int. Cl.⁷ **A01H 5/00**(52) U.S. Cl. **Plt./263**(58) Field of Search **Plt./263***Primary Examiner*—Kent Bell
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(74) *Attorney, Agent, or Firm*—C. A. Whealy(57) **ABSTRACT**A new and distinct cultivar of *Calibrachoa* plant named
'KLECO2064', characterized by its cascading plant habit;
freely branching habit; early flowering habit; white and red
purple bi-colored flowers; and good weather tolerance.**1 Drawing Sheet****1**Botanical classification/cultivar designation: *Calibrachoa*
sp. cultivar KLECO2064.**BACKGROUND OF THE INVENTION**The present Invention relates to a new and distinct culti-
var of *Calibrachoa* plant, botanically known as *Calibrachoa*
sp., and hereinafter referred to by the name 'KLECO2064'.The new *Calibrachoa* is a product of a planned breeding
program conducted by the Inventor in Stuttgart, Germany.
The objective of the program is to create new early-
flowering *Calibrachoa* cultivars with compact and cascad-
ing growth habit, freely branching habit and attractive
flower colors.The new *Calibrachoa* originated from a cross-pollination
made by the Inventor during the summer of 1999 of a
proprietary selection of *Calibrachoa* identified as code num-
ber S133, not patented, as the female, or seed, parent with an
unidentified selection of *Calibrachoa*, not patented, as the
male, or pollen, parent. The new *Calibrachoa* was selected
by the Inventor in May, 2000 in a controlled environment in
Stuttgart, Germany from within the resulting progeny from
the cross-pollination.Asexual reproduction of the new cultivar by terminal
cuttings taken in a controlled environment in Stuttgart,
Germany since May, 2000, has shown that the unique
features of this new *Calibrachoa* are stable and reproduced
true to type in successive generations.**SUMMARY OF THE INVENTION**Plants of the cultivar KLECO2064 have not been observed
under all possible environmental conditions. The phenotype
may vary somewhat with variations in environment such as
temperature, light intensity and daylength without, however,
any variance in genotype.The following traits have been repeatedly observed and
are determined to be the unique characteristics of
'KLECO2064'. These characteristics in combination distin-
guish 'KLECO2064' as a new and distinct cultivar of *Cali-
brachoa*:

1. Cascading plant habit.
2. Freely branching habit.

2

3. Early flowering habit.
4. White and red purple bi-colored flowers.
5. Good weather tolerance; tolerant to rain and wind and
high and low temperatures.

Plants of the new *Calibrachoa* are most similar to plants
of the female parent selection. However, plants of the new
Calibrachoa have a more trailing plant habit than plants of
the female parent selection. In addition, plants of the new
Calibrachoa have white and red purple bi-colored flowers
whereas plants of the female parent selection have dark
pink-colored flowers.**BRIEF DESCRIPTION OF THE PHOTOGRAPH**The accompanying colored photograph illustrates the
overall appearance of the new cultivar, showing the colors as
true as it is reasonably possible to obtain in colored repro-
ductions 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
Calibrachoa. The photograph comprises a side perspective
view of typical plants of 'KLECO2064' grown in a hanging
basket container.**DETAILED BOTANICAL DESCRIPTION**Plants used in the aforementioned photograph and fol-
lowing description were grown under conditions that closely
approximate commercial production conditions during the
spring in Stuttgart, Germany in a glass-covered greenhouse.
Plants were about five months old from planting rooted
cuttings. During the production of the plants, day and night
temperatures ranged from 16 to 18° C. and light levels were
about 20,000 lux. Plants grown in 12-cm containers were
used for the description. In the description, color references
are made to The Royal Horticultural Society Colour Chart,
1995 Edition, except where general terms of ordinary dic-
tionary significance are used.Botanical classification: *Calibrachoa* sp. cultivar
KLECO2064.

Parentage:

Female, or seed, parent.—Proprietary selection of
Calibrachoa sp. identified as S133, not patented.

Male, or pollen, parent.—Unidentified selection of *Calibrachoa* sp., not patented.

Propagation:

Type cutting.—Terminal vegetative cuttings.

Time to produce a rooted young plant.—Summer: About 21 days at 20 to 26° C. Winter: About 28 days at 20° C.

Root description.—Fine, fibrous and white in color.

Rooting habit.—Freely branching.

Plant description:

Form.—Annual flowering plant; initially upright to semi-upright then cascading; uniform flattend mounded appearance.

Usage.—Appropriate for hanging baskets, window boxes and patio containers.

Plant height (from soil level to top of plant plane).—About 10 cm.

Plant diameter (area of spread).—About 25 cm.

Growth rate.—Slow.

Branching habit.—Freely branching, about five lateral branches per plant; pinching is typically not required.

Lateral branch description.—Length: About 12 cm. Diameter: About 3 mm. Internode length: About 0.5 to 2 cm. Texture: Smooth, glabrous. Color: 145A.

Foliage description.—Leaves simple, generally symmetrical and long persisting; sessile. Arrangement: Alternate. Length: About 1 to 3 cm. Width: About 0.5 to 1 cm. Shape: Lanceolate to elliptic. Apex: Acute. Base: Attenuate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Venation pattern: Pinnate. Color: Immature and fully expanded foliage, upper surface: 138A. Immature and fully expanded foliage, lower surface: 138B. Venation, upper and lower surfaces: 144B.

Flower description:

Flower type and habit.—Flowers face somewhat upright or outward; single, axillary; salverform. Flowers not persistent. Freely flowering habit, about ten open flowers and about 55 to 60 flower buds per lateral stem. Flowers not fragrant.

Natural flowering season.—Spring until frost in the autumn; flowering continuous during this time.

Time to flower.—Early flowering; plants begin flowering about 12 weeks after planting.

Flower longevity on the plant.—About seven days.

Flower size.—Diameter: About 3 cm. Tube length: About 1.5 cm. Throat diameter, distal end: About 8 mm. Tube diameter, proximal end: About 2 mm.

Flower buds.—Length: About 1.3 cm. Diameter: About 4 mm. Shape: Irregular, oblong. Color: 150B.

Corolla.—Arrangement/appearance: Single whorl of five petals, fused into flared trumpet. Petal length from throat: About 1.3 cm. Petal width: About 1.7 cm. Petal shape: Roughly spatulate; slightly recurved. Apex: Crenate. Petal margin: Entire. Petal texture, upper and lower surfaces: Smooth, glabrous. Color: Petal, when opening, upper surface: 155A; towards the throat, 61A. Petal, when opening, lower surface: 155A; towards the throat, 59A. Petal, fully opened, upper surface: 155D; towards the throat, 61A; venation, 61A. Petal, fully opened, lower surface: 155D; towards the throat, 59A; venation, 59A. Flower throat (inside): 12A; venation, 61A. Flower tube (outside): 61A; venation, 59A.

Sepals.—Arrangement/appearance: Single whorl of five sepals; calyx, star-shaped. Length: About 1.8 cm. Width: About 6 mm. Shape: Lanceolate to elliptic. Apex: Acute. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous, glossy. Color, upper surface: 136B. Color, lower surface: 136C.

Peduncles.—Length: About 1.8 cm. Width: About 2 mm. Strength: Moderately strong. Angle: Erect to about 75° from vertical. Texture: Glabrous, smooth. Color: 144A.

Reproductive organs.—Stamens: Quantity: Six per flower. Anther shape: Elliptic. Anther length: About 1 to 2 mm. Anther color: 11B. Pollen amount: Scarce. Pollen color: 11B. Pistils: Quantity: One per flower. Pistil length: About 7 mm. Stigma shape: Oval. Stigma color: 149A. Style length: About 5 mm. Style color: 150A. Ovary color: 154A.

Seed/fruit.—Seed and fruit production has not been observed.

Disease/resistance: Plants of the new *Calibrachoa* have been noted to be resistant to Powdery Mildew. Plants of the new *Calibrachoa* have not been noted to be resistant to other pathogens and pests common to *Calibrachoa*s.

Weather/temperature tolerance: Plants of the new *Calibrachoa* are tolerant to rain and wind and have been observed to tolerate temperatures from 1 to 50° C.

It is claimed:

1. A new and distinct cultivar of *Calibrachoa* plant named 'KLECO2064', as illustrated and described.

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