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

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(54) **CALIBRACHOA PLANT NAMED**
'DUEVOLSUS'

(50) Latin Name: *Calibrachoa* sp.
Varietal Denomination: **Duevolsus**

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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 and distinct cultivar of *Calibrachoa* plant named 'Duevolsus', characterized by its compact, semi-upright and outwardly spreading to trailing and decumbent plant habit; freely branching habit; early and freely flowering habit; large pale yellow and red bi-colored flowers; and good garden performance.

1 Drawing Sheet

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Botanical designation: *Calibrachoa* sp.
Cultivar denomination: 'DUEVOLSUS'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Calibrachoa* plant, botanically known as *Calibrachoa* sp. and hereinafter referred to by the name 'Duevolsus'.

The new *Calibrachoa* plant is a product of a planned breeding program conducted by the Inventor in Rheinberg, Germany. The objective of the breeding program is to create new compact *Calibrachoa* plants with large attractive flowers.

The new *Calibrachoa* plant originated from a cross-pollination made by the Inventor in July, 2011 in Rheinberg, Germany of a proprietary selection of *Calibrachoa* sp. identified as code number A10-1239-001, not patented, as the female, or seed, parent with a proprietary selection of *Calibrachoa* sp. identified as code number A10-1947-003, not patented, as the male, or pollen, parent. The new *Calibrachoa* plant was discovered and selected by the Inventor as a single flowering plant from within the progeny of the stated cross-pollination in a controlled greenhouse environment in Rheinberg, Germany in May, 2013.

Asexual reproduction of the new *Calibrachoa* plant by vegetative terminal cuttings in a controlled greenhouse environment in Rheinberg, Germany since June, 2013 has shown that the unique features of this new *Calibrachoa* plant are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new *Calibrachoa* have not been observed under all possible combinations of environmental conditions and cultural practices. The phenotype may vary somewhat with variations in environmental conditions 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 'Duevolsus'.

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These characteristics in combination distinguish 'Duevolsus' as a new and distinct *Calibrachoa* plant:

1. Compact, semi-upright and outwardly spreading to trailing and decumbent plant habit.
2. Freely branching habit.
3. Early and freely flowering habit.
4. Large pale yellow and red bi-colored flowers.
5. Good garden performance.

The new *Calibrachoa* can be compared to plants of the female parent selection. Plants of the new *Calibrachoa* differ primarily from plants of the female parent selection in plant habit as plants of the new *Calibrachoa* are more compact than plants of the female parent selection. In addition, plants of the new *Calibrachoa* and the female parent selection differ in flower color.

The new *Calibrachoa* can be compared to plants of the male parent selection. Plants of the new *Calibrachoa* differ primarily from plants of the male parent selection in growth habit as plants of the new *Calibrachoa* are more vigorous than plants of the male parent selection. In addition, plants of the new *Calibrachoa* and the male parent selection differ in flower color.

Plants of the new *Calibrachoa* can also be compared to plants of *Calibrachoa* sp. 'Cal Paicoras', disclosed in U.S. Plant Pat. No. 19,156. In side-by-side comparisons, plants of the new *Calibrachoa* differed primarily from plants of 'Cal Paicoras' in the following characteristics:

1. Plants of the new *Calibrachoa* had larger leaves than plants of 'Cal Paicoras'.
2. Plants of the new *Calibrachoa* were more freely flowering than plants of 'Cal Paicoras'.
3. Plants of the new *Calibrachoa* had larger flowers than plants of 'Cal Paicoras'.
4. Plants of the new *Calibrachoa* and 'Cal Paicoras' differed in flower color as plants of 'Cal Paicoras' had coral-colored flowers with light pink-colored margins.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying colored photograph illustrates the overall appearance of the new *Calibrachoa* plant 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 *Calibrachoa* plant. The photograph is a side perspective view of a typical flowering plant of 'Duevolsus' grown in a container.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photograph and following observations, measurements and values describe plants grown during the summer in 30-cm containers in a glass-covered greenhouse in Rheinberg, Germany and under cultural practices typical of commercial *Calibrachoa* production. During the production of the plants, day and night temperatures averaged 18° C. and light levels averaged 4,500 lux. Rooted young plants were pinched one time three weeks after planting and were 13 weeks old when the photograph and description were taken. In the following description, color references are made to The Royal Horticultural Society Colour Chart, 2007 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Calibrachoa* sp. 'Duevolsus'.

Parentage:

Female, or seed, parent.—Proprietary selection of *Calibrachoa* sp. identified as code number A10-1239-001, not patented.

Male, or pollen, parent.—Proprietary selection of *Calibrachoa* sp. identified as code number A10-1947-003, not patented.

Propagation:

Type.—By vegetative cuttings.

Time to initiate roots, summer.—About five days at temperatures about 20° C.

Time to initiate roots, winter.—About seven days at temperatures about 20° C.

Time to produce a rooted young plant, summer.—About three weeks at temperatures about 20° C.

Time to produce a rooted young plant, winter.—About four weeks at temperatures about 20° C.

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

Rooting habit.—Freely branching; dense.

Plant description:

Plant and growth habit.—Compact, semi-upright and outwardly spreading to trailing and decumbent plant habit; freely branching habit with about eleven primary lateral branches developing per plant; pinching enhances branching; vigorous growth habit; moderate growth rate.

Plant height.—About 19 cm.

Plant diameter.—About 67 cm.

Lateral branch description:

Length.—About 38 cm.

Diameter.—About 2 mm.

Internode length.—About 1.9 cm.

Strength.—Strong.

Aspect.—Initially upright to outwardly spreading to trailing and decumbent.

Texture.—Pubescent.

Color.—Close to 146C.

Leaf description:

Arrangement.—Alternate, simple.

Length.—About 3.1 cm.

Width.—About 9.8 mm.

Shape.—Oblanceolate.

Apex.—Rounded.

Base.—Cuneate.

Margin.—Entire.

Texture, upper and lower surfaces.—Pubescent.

Venation pattern.—Pinnate; arcuate.

Color.—Developing leaves, upper surface: Close to 143A. Developing leaves, lower surface: Close to 143C. Fully expanded leaves, upper surface: Close to 147A; venation, close to 141D. Fully expanded leaves, lower surface: Close to 147B; venation, close to 141D.

Petioles.—Length: About 2.4 mm. Diameter: About 1.6 mm. Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: Close to 141D.

Flower description:

Flower arrangement and habit.—Single salverform flowers arising from leaf axils; freely flowering habit with usually about 250 to 300 flowers developing per plant; flowers face upright or outwardly.

Fragrance.—None detected.

Natural flowering season.—Early flowering habit, plants of the new *Calibrachoa* initiate and develop flowers about four to five weeks after planting; plants flower continuously from the spring throughout the summer in Germany.

Flower longevity.—Individual flowers last about seven to ten days on the plant; flowers not persistent.

Flower diameter.—About 3.6 cm.

Flower length (height).—About 1.7 cm.

Flower throat diameter.—About 6.2 mm.

Flower tube length.—About 6.4 mm.

Flower tube diameter, base.—About 1.4 mm.

Flower buds.—Length: About 1.4 cm. Diameter: About 2.6 mm. Shape: Elongated oblong. Color: Close to 4B.

Corolla.—Arrangement: Five petals fused at the base and opening into a flared trumpet. Petal length from throat: About 3 cm. Petal lobe width: About 1.2 cm. Petal shape: Roughly spatulate. Petal apex: Mostly rounded to slightly retuse. Petal margin: Entire. Petal texture, upper and lower surfaces: Smooth, glabrous. Throat texture: Smooth, glabrous. Tube texture: Smooth, glabrous. Color: Petal, when opening and fully opened, upper surface: Close to 46C and 16D; venation, close to 200A; red color becoming closer to 47B with development. Petal, when opening and fully opened, lower surface: Close to 16D; venation, close to 200A. Throat: Close to 5A; venation, close to 146A. Tube: Close to 1C; venation, close to 200A.

Calyx.—Arrangement: Star-shaped calyx with five sepals; sepals fused at the base. Sepal length: About 1.2 cm. Sepal width: About 1.2 mm. Sepal shape: Lanceolate. Sepal apex: Acute. Sepal margin: Entire. Sepal texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: Close to 137B.

Peduncles.—Length: About 1.3 cm. Diameter: About 1 mm. Angle: About 45° from stem axis. Strength: Moderately strong. Texture: Pubescent. Color: Close to 142A.

Reproductive organs.—Stamens: Quantity: Six per flower. Filament length: About 8.2 mm. Filament color: Close to 142D. Anther shape: Ellipsoidal. Anther length: About 1 mm. Anther color: Close to 14B. Pollen amount: Scarce. Pollen color: Close to

14D. Pistils: Quantity: One per flower. Pistil length:
About 1 cm. Style length: About 8 mm. Style color:
Close to 142B. Stigma shape: Ellipsoidal. Stigma
color: Close to 142A. Ovary color: Close to 144D.
Seeds and fruits: Seed and fruit development have not
been observed on plants of the new *Calibrachoa*.
Garden performance: Plants of the new *Calibrachoa* have
been observed to have good garden performance and tol-
erate wind, rain and temperatures ranging from about 5° C.
to about 40° C.

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Pathogen & pest resistance: Plants of the new *Calibrachoa*
have not been observed to be resistant to pathogens and
pests common to *Calibrachoa* plants.

It is claimed:

1. A new and distinct *Calibrachoa* plant named 'Duevol-
sus' as illustrated and described.

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