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Sakazaki

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(54) ***CALIBRACHOA* PLANT NAMED 'USCALI413-4'**

(50) Latin Name: ***Calibrachoa* sp.**
Varietal Denomination: **USCALI413-4**

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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.

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A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./413**

(58) **Field of Classification Search** Plt./413
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

PP11,558 P * 10/2000 Murakami Plt./356
PP14,173 P2 * 9/2003 Klemm Plt./413

OTHER PUBLICATIONS

UPOV ROM GTITM Computer Database, GTI Jouve Retrieval Software, Feb. 2007, Citation for 'USCALI413–4'.*

* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of *Calibrachoa* plant named 'USCALI413-4', characterized by its compact, mounding and outwardly spreading growth habit; numerous yellow-colored flowers with red-colored centers; and good garden performance.

1 Drawing Sheet

Botanical designation: *Calibrachoa* sp.
Cultivar denomination: 'USCALI413-4'.

CROSS-REFERENCED TO RELATED APPLICATIONS

Title: *Calibrachoa* Plant Named 'USCALI413-8' U.S. Plant patent application No. 11,978,131.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Calibrachoa,* botanically known as *Calibrachoa* sp. and hereinafter referred to by the name 'USCALI413-4'.

The new *Calibrachoa* is a product of a planned breeding program conducted by the Inventor in Hikone, Shiga, Japan. The objective of the breeding program is to create new *Calibrachoa* cultivars with uniform plant habit and attractive flowers.

The new *Calibrachoa* originated from a cross-pollination made by the Inventor on Apr. 17, 2004 in Hikone, Shiga, Japan of a proprietary seedling selection of *Calibrachoa* sp. identified as code number CJ04-23, not patented, as the female, or seed, parent with a proprietary seedling selection of *Calibrachoa* sp. identified as code number CJ04-22, not patented, as the male, or pollen, parent. The new *Calibrachoa* was discovered and selected by the Inventor as a single flowering plant within the progeny of the stated cross-pollination in a controlled environment in Gensingen, Germany on May 24, 2005.

Asexual reproduction of the new *Calibrachoa* by terminal cuttings in a controlled environment in Gensingen, Germany since May 25, 2005 has shown that the unique features of this new *Calibrachoa* are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

The cultivar USCALI413-4 has not been observed under all possible environment 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.

The following traits have been repeatedly observed and are determined to be the unique characteristics of 'USCALI413-4'. These characteristics in combination distinguish 'USCALI413-4' as a new and distinct cultivar of *Calibrachoa:*

1. Compact, mounding and outwardly spreading growth habit.
2. Numerous yellow-colored flowers with red-colored centers.
3. Good garden performance.

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

1. Plants of the new *Calibrachoa* are not as upright as plants of the female parent selection.
2. Plants of the new *Calibrachoa* and the female parent selection differ in flower color as plants of the female parent selection have apricot orange-colored flowers.

Plants of the new *Calibrachoa* can be compared to plants of the male parent selection. Plants of the new *Calibrachoa* differ from plants of the male parent selection primarily in plant form as plants of the new *Calibrachoa* are more upright than plants of the male parent selection.

Plants of the new *Calibrachoa* can be compared to plants of the cultivar USCALI413-8. Plants of the new *Calibrachoa* differ from plants of the cultivar USCALI413-8 prima-

rily in flower color as plants of the cultivar USCALI413-8 have orange-colored flowers with red-colored centers.

Plants of the new *Calibrachoa* can be compared to plants of the cultivar Sunbelki, disclosed in U.S. Plant Pat. No. 11,558. In side-by-side comparisons conducted in Gensingen, Germany, plants of the new *Calibrachoa* differed from plants of the cultivar Sunbelki in the following characteristics:

1. Plants of the new *Calibrachoa* flowered earlier than plants of the cultivar Sunbelki.
2. Plants of the new *Calibrachoa* and the cultivar Sunbelki differed in flower color as plants of the cultivar Sunbelki did not have red-colored centers.

Plants of the new *Calibrachoa* can also be compared to plants of the cultivar KLEC03083, disclosed in U.S. Plant Pat. No. 14,173. In side-by-side comparisons conducted in Gensingen, Germany, plants of the new *Calibrachoa* differed from plants of the cultivar KLEC03083 in the following characteristics:

1. Plants of the new *Calibrachoa* flowered earlier than plants of the cultivar KLEC03083.
2. Plants of the new *Calibrachoa* and the cultivar KLEC03083 differed in flower color as plants of the cultivar KLEC03083 did not have red-colored centers.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new *Calibrachoa,* 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 *Calibrachoa.*

The photograph at the bottom of the sheet comprises a side perspective view of a typical flowering plant of 'USCALI413-4' grown in a container.

The photograph at the top of the sheet comprises a close-up of typical flowers of 'USCALI413-4'.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following observations, measurements and values describe plants grown in Bonsall, Calif., under commercial practice during the spring and summer in an outdoor nursery with day temperatures ranging from 7° C. to 35° C. and night temperatures ranging from 7° C. to 21° C. Rooted young plants were grown for about eight weeks in 15-cm containers. In the following description, color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Calibrachoa* sp. cultivar USCALI413-4.

Parentage:

Female, or seed, parent.—Proprietary seedling selection of *Calibrachoa* sp. identified as code number CJ04-23, not patented.

Male, or pollen, parent.—Proprietary seedling selection of *Calibrachoa* sp. identified as code number CJ04-22, not patented.

Propagation:

Type.—By terminal cuttings.

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

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

Root description.—Fine; white in color.

Rooting habit.—Freely branching; dense.

Plant description:

Plant and growth habit.—Compact, mounding and outwardly spreading plant habit. Freely branching habit with about seven primary lateral branches each with multiple secondary lateral branches; pinching enhances branching. Moderately vigorous growth habit.

Plant height.—About 21.5 cm.

Plant diameter.—About 47 cm.

Lateral branch description:

Length.—About 33 cm.

Diameter.—About 3 mm.

Internode length.—About 1.3 cm.

Strength.—Strong.

Aspect.—Initially upright to outwardly spreading.

Texture.—Pubescent.

Color.—146B.

Foliage description:

Arrangement.—Before flowering, alternate, simple; after flowering, opposite, simple.

Length.—About 4.3 cm.

Width.—About 1.2 cm.

Shape.—Elliptical.

Apex.—Broadly acute to rounded.

Base.—Attenuate.

Margin.—Entire.

Texture, upper and lower surfaces.—Pubescent.

Venation pattern.—Pinnate; arcuate.

Color.—Developing foliage, upper and lower surfaces: 146A. Fully expanded foliage, upper and lower surfaces: 146B; venation, 146C.

Petiole.—Length: About 5 mm. Diameter: About 2 mm. Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: 146D.

Flower description:

flower arrangement and habit.—Single salverform flowers arranged singly arising from leaf axils. Freely flowering habit with usually about 51 open flowers and flower buds per lateral branch. Flowers persistent. Flowers face upright to mostly outwardly.

Fragrance.—None detected.

Natural flowering season.—Plants of the new *Calibrachoa* initiate and develop flowers about four to six weeks after planting. Plants flower continuously from April to October in Southern California.

Flower longevity.—Individual flowers last about five to seven days on the plant.

Flower diameter.—About 2.5 cm to 2.8 cm.

Flower length (height).—About 2.5 cm.

Flower throat diameter.—About 5 mm by 7 mm.

Flower tube diameter, base.—About 2 mm.

Flower tube length.—About 1.8 cm.

Flower bud.—Shape: Elongated oblong. Length: About 2.2 cm. Diameter: About 5 mm. Color: 3C.

Corolla.—Arrangement: Five petals fused at the base and opening into a flared trumpet. Petal length from throat: About 1.2 cm. Petal lobe width: About 1.5 cm. Petal shape: Roughly obovate. Petal apex: Obtuse. Petal margin: Entire. Petal texture, upper surface: Smooth, velvety. Petal texture, lower sur-

face: Pubescent. Throat texture: Smooth, velvety. Tube texture: Pubescent. Color: Petal, when opening, upper surface: 7C. Petal, when opening, lower surface: 8C. Petal, fully opened, upper surface: 7B; towards the apex, color becoming closer to 3D with development; towards the throat, 46A; venation, 182A. Petal, fully opened, lower surface: 9D; venation, 183B. Throat: 12C; venation, 183A. Tube: 10C; venation, 183B to 183C.

Calyx.—Arrangement: One star-shaped calyx tube with five sepals fused at the base per flower. Sepal length: About 1.1 cm. Sepal width: About 2.5 mm. Sepal shape: Lanceolate. Sepal apex: Acute. Sepal margin: Entire. Sepal texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: 146A.

Peduncles.—Length: About 2.2 cm. Diameter: About 1 mm. Angle: About 35° to 45° from stem axis. Strength: Moderately strong. Texture: Pubescent. Color: 146B.

Reproductive organs.—Stamens: Quantity/arrangement: About five per flower. Anther shape: Oval. Anther length: About 1 mm. Anther color: 12C. Pollen amount: Moderate. Pollen color: 12C. Pistils: Quantity: One per flower. Pistil length: About 1.2 cm. Style length: About 8 mm. Style color: 145B. Stigma shape: Oval. Stigma color: 145A. Ovary color: 145A. Seed/fruit: 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 tolerate wind, rain and temperatures ranging from about 1° C. to about 40° C.

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

It is claimed:

1. A new and distinct *Calibrachoa* plant named 'USCALI413-4' as illustrated and described.

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