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

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(45) **Date of Patent:** **Apr. 28, 2009**

(54) **CALIBRACHOA PLANT NAMED 'DANOA37'**

(50) Latin Name: *Calibrachoa* sp.
Varietal Denomination: **DANOA37**

(76) Inventor: **Gabriel Danziger**, PO Box 24, Moshav
Mishmar Hashiva, Beit Dagan (IL),
50297

(*) 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.: **12/070,185**

(22) Filed: **Feb. 15, 2008**

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

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

(58) **Field of Classification Search** **Plt./413,**
Plt./263

See application file for complete search history.

Primary Examiner—Annette H. Para
Assistant Examiner—S. B. McCormick Ewoldt

(57) **ABSTRACT**

A new and distinct *Calibrachoa* cultivar named
'DANOA37' is disclosed, characterized by having intense
yellow flowers a compact, mounded plant habit and continu-
ous flowering. The new variety is a *Calibrachoa*, normally
produced as an outdoor garden or container plant.

2 Drawing Sheets

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Latin name of the genus and species: *Calibrachoa* sp.
Variety denomination: 'DANOA37'.

BACKGROUND OF THE INVENTION

The new *Calibrachoa* cultivar is a product of a planned
breeding program conducted by the inventor, Gabriel
Danziger, in Moshav Mishmar Hashiva, Israel. The objective
of the breeding program was to produce new *Calibrachoa*
varieties for commercial applications. The seed parent is the
unpatented, proprietary seedling variety referred to as *Cali-*
brachoa sp. 'CV-693.' The pollen parent is the unpatented,
proprietary seedling variety referred to as *Calibrachoa* sp.
'Z-507.' The new variety was discovered in March 2006 by
the inventor in a group of seedlings resulting from that
crossing, in a commercial greenhouse in Moshav Mishmar
Hashiva, Israel.

Asexual reproduction of the new cultivar 'DANOA37' by
vegetative cuttings was first performed at a commercial
greenhouse in Moshav Mishmar Hashiva, Israel in April
2006 and has shown that the unique features of this cultivar
are stable and reproduced true to type in successive genera-
tions.

SUMMARY OF THE INVENTION

The cultivar 'DANOA37' has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment such as
temperature, day length, 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
'DANOA37' These characteristics in combination distin-
guish 'DANOA37' as a new and distinct *Calibrachoa* culti-
var:

1. Intense yellow flower color.
2. Small flowers.
3. Mounding plant habit.

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COMPARISON TO PARENTS

Plants of the new cultivar 'DANOA37' are similar to
plants of the seed parent, *Calibrachoa* sp. 'CV 693' in most
horticultural characteristics, however, plants of the new cul-
tivar 'DANOA37' are more compact.

Plants of the new cultivar 'DANOA37' are similar to
plants of the pollen parent, *Calibrachoa* sp. 'Z-507' in most
horticultural characteristics, however, plants of the new cul-
tivar 'DANOA37' are more compact.

COMMERCIAL COMPARISON

Plants of the new cultivar 'DANOA37' are similar to
plants of the commercial variety 'DANOA21' and
'DANOA33', currently under review for U.S. patent, serial
numbers unknown, in most horticultural characteristics,
however, plants of the new cultivar 'DANOA37' have much
more intense yellow flowers

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying photograph in FIG. 1 illustrates in full
color a typical plant of 'DANOA37' own in a greenhouse, in
a 16 cm basket. Age of the plant photographed is approxi-
mately 3 months from a rooted cutting.

FIG. 2 illustrates in full color a close up of a typical bloom
of 'DANOA37.'

The photographs were taken using conventional tech-
niques and although colors may appear different from actual
colors due to light reflectance it is as accurate as possible by
conventional photographic techniques.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to
The Royal Horticultural Society Colour Chart except where
general terms of ordinary dictionary significance are used.
The following observations and measurements describe
'DANOA37' plants grown in a greenhouse in Moshav Mish-
mar Hashiva, Israel. The growing temperature ranged from
18° C. to 24° C. The greenhouse is subject to partial shade.

General light conditions are bright, normal sunlight, with some shade during the brightest part of the day. Measurements and numerical values represent averages of typical plant types.

Botanical classification: *Calibrachoa* sp. cultivar 'DANOA37.'

PROPAGATION

Time to initiate roots: About 8 days at approximately 25° C.
Time to develop roots: About 15 days at approximately 25° C.

Root description: Fine, fibrous.

Time to produce a rooted cutting: About 14 to 21 days at 18° C.

PLANT

Growth habit: Spreading annual.

Pot size of plant described: 12 cm.

Age of plant described: Approximately 80 days from a rooted cutting.

Height:

To top of flowers.—Approximately 30 cm.

Plant spread: Approximately 70 cm.

Growth rate: Vigorous.

Branching characteristics: Very well-branched. Branches from base of plant.

Length of primary lateral branches: Approximately 50 cm.

Diameter of lateral branches: Approximately 0.2 cm

Quantity of primary lateral branches: About 60.

Characteristics of primary lateral branches:

Form.—Cylindrical.

Diameter.—Approximately 0.2 cm.

Color.—Near RHS Green 138B.

Texture.—Smooth.

Internode length: Approximately 2 cm.

FOLIAGE

Leaf:

Arrangement.—Alternate.

Quantity.—Dozens per branch.

Average length.—Approximately 2 cm.

Average width.—Approximately 0.5 cm.

Shape of blade.—Oblong.

Apex.—Rounded.

Base.—Acute.

Margin.—Entire.

Texture of top surface.—Puberulous.

Aspect.—Slanted upward 45 to 90°.

Color.—Young foliage upper side. Near RHS Green 137B. Young foliage under side. Near RHS Green 138B. Mature foliage upper side: Near RHS Green 137B. Mature foliage under side. Near RHS Green 138B.

Venation.—Type. Pinnate. Venation color upper side. Near RHS Green 137B. Venation color under side. Near RHS Green 138B.

Petiole.—None: Sessile.

FLOWER

Natural flowering season: Freely flowering all year in Moshav Mishmar Hashiva Israel. Begins flowering approximately 55 days after planting a rooted cutting.

Inflorescence and flower type and habit: Salverform, single with fused petals.

Rate of flower opening: Approximately 4 to 5 days from bud to fully opened flower.

Flower longevity on plant: Individual flowers last 4 to 5 days on the plant.

Quantity of flowers: Hundreds of flowers on each plant.

Flower size:

Diameter.—Approximately 2.5 cm.

Length.—Approximately 2.0 cm.

Flower tube diameter at distal end.—Approximately 1 cm.

Flower tube diameter at proximal end.—Approximately 0.2 cm.

Petals:

Length from throat.—About 1.3 cm.

Width.—About 1 cm.

Quantity.—5, fused.

Texture.—Glabrous.

Apex.—Obtuse.

Margin.—Entire.

Color:

When opening: Upper surface. Near RHS Yellow 3A.

Lower surface. Near RHS Yellow 2D.

Fully opened.—Upper surface: Near RHS Yellow 3A.

Lower surface. Near RHS Yellow 2D. Flower throat

(inside): Near RHS Yellow 7A. Flower throat, vein:

Near RHS Yellow 7B. Flower tube (outside): Near

RHS Yellow 7D. Flower tube, vein: Near RHS

Yellow-Green 150C. Petal color, fading to: Near

RHS Yellow 3D.

Bud:

Shape.—Oblong.

Length.—Approximately 0.7 cm.

Diameter.—Approximately 0.2 cm.

Color.—Near RHS Yellow-Green 144B.

Calyx/sepals:

Quantity per flower.—5, fused at base.

Shape.—Oblong.

Length.—Approximately 1.4 cm.

Width.—Approximately 0.7 cm.

Apex.—Obtuse.

Base.—Fused.

Margin.—Entire.

Texture.—Puberulous.

Color.—Upper Surface: Near RHS Yellow-Green 144A. Lower surface: Near RHS Yellow-Green 144A.

Peduncle:

Length.—Approximately 2.5 cm.

Diameter.—Approximately 0.1 cm.

Color.—Near RHS Yellow-Green 146B.

Orientation.—Slanted upward at an angle of about 45°.

Fragrance: None.

REPRODUCTIVE ORGANS

Stamens:

Number.—5.

Filament length.—Approximately 0.6 cm.

Anthers:

Length.—Approximately 0.1 cm.

Color.—Near RHS Yellow 3A.

Pollen.—Color: Near RHS Yellow 3A. Quantity: Copious.

Pistil:

Number.—1.

Length.—Approximately 0.7 cm.

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Style.—Length: Approximately 0.5 cm. Color: Near RHS Yellow-Green 154B.

Stigma.—Shape: Round. Color: Near RHS Gray-Green 197C. Ovary Color: Near RHS Yellow-Green 144B.

OTHER CHARACTERISTICS

Seeds and fruits: Not observed and not commercially important.

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Disease/pest resistance: Neither resistance nor susceptibility to pathogens and pests common to *Calibrachoa* have been observed.

Temperature tolerance: The new variety tolerates temperatures between 8 to 35° C.

What is claimed is:

1. A new and distinct cultivar of *Calibrachoa* plant named 'DANO37' as herein illustrated and described.

* * * * *



Fig. 1



Fig. 2

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : PP 19,958 P2
APPLICATION NO. : 12/070185
DATED : April 28, 2009
INVENTOR(S) : Gabriel Danziger

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page, under item (50) Varietal Denomination, please replace "DANAOA37" with -- DANOA37 --

Signed and Sealed this

Seventeenth Day of November, 2009

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive style with a large initial 'D' and 'K'.

David J. Kappos
Director of the United States Patent and Trademark Office