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

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(54) **CALIBRACHOA PLANT NAMED 'DANO36'**

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

(50) Latin Name: *Calibrachoa* sp.  
Varietal Denomination: **DANO36**

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

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

*Primary Examiner*—Annette H Para

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

(57) **ABSTRACT**

(21) Appl. No.: **12/008,650**

A new and distinct *Calibrachoa* cultivar named  
'DANO36' is disclosed, characterized by having orange  
flowers with distinctive red veins, a compact, mounded and  
upright plant habit and continuous flowering, including  
under short day conditions. The new variety is a  
*Calibrachoa*, normally produced as an outdoor garden or  
container plant.

(22) Filed: **Jan. 11, 2008**

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

**2 Drawing Sheets**

**1**

**2**

Latin name of the genus and species: *Calibrachoa* sp.  
Variety denomination: 'DANO36'.

**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-679.' The pollen parent is the unpatented,  
proprietary seedling variety referred to as *Calibrachoa* sp.  
'Z-241.' 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 'DANO36' 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 'DANO36' 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  
'DANO36'. These characteristics in combination distin-  
guish 'DANO36' as a new and distinct *Calibrachoa* culti-  
var:

1. Unique flower color with an orange trumpet and dis-  
tinctive red throat and veins.
2. Flowers under short day conditions.
3. Flowers occur on the top of plant, as well as the sides.
4. Mounding plant habit.

Plants of the new cultivar 'DANO36' are similar to  
plants of the parent, *Calibrachoa* sp. 'CV 679' in most horti-  
cultural characteristics, however, plants of the new cultivar  
'DANO36' are mounding, compared to 'CV 679' which  
produces trailing plants.

Plants of the new cultivar 'DANO36' are similar to  
plants of the parent, *Calibrachoa* sp. 'Z-241' in most horti-  
cultural characteristics, however, plants of the new cultivar  
'DANO36' are mounding, compared to 'CV 679' which  
produces trailing plants. Additionally 'Z-241 produces a  
solid orange color flower.

Plants of the new cultivar 'DANO36' are similar to  
plants of the commercial variety 'DANCALBRIL,' unpat-  
ented and undistributed in the United States, in most horti-  
cultural characteristics, however, plants of the new cultivar  
'DANO36' have bi-color flowers, compared to solid pink.  
Additionally the new variety also produces flowers on the  
top and side of the plant, where as 'DANCALBRIL,' does  
not flower on the top, only on the side.

**BRIEF DESCRIPTION OF THE PHOTOGRAPH**

The accompanying photograph in FIG. 1 illustrates in full  
color a typical plant of 'DANO36' grown in a greenhouse,  
in a 16 cm. basket. Age of the plant photographed is 90 days  
from a rooted cutting.

FIG. 2 illustrates in full color a close up of a typical bloom  
of 'DANO36.'

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  
'DANO36' 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 'DANO36.'

#### 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 25° 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-Orange with red halo. Lower surface: Near RHS Yellow-Orange with red veins.

*Fully opened.*—Upper surface: Near RHS Yellow-Orange 16C with red halo. Lower surface: Near RHS Yellow-Orange 14D with red veins. Flower throat (inside): Near RHS Orange-Red N34A halo; Yellow-Green 151A. Flower throat, vein: Near RHS Yellow-Green 151C. Flower tube (outside): Near RHS Yellow-Green 151A. Flower tube, vein: Near RHS Yellow-Green 152C. Petal color, fading to: Pure white, not on RHS.

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.

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Pistil:

*Number.*—1.

*Length.*—Approximately 0.7 cm.

*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 'DANO36' as herein illustrated and described.

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Fig. 1



Fig. 2