



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

(10) **Patent No.:** **US PP31,758 P2**
(45) **Date of Patent:** **May 12, 2020**

- (54) **CHRYSANTHEMUM PLANT NAMED**
'CIDZ0097'
- (50) Latin Name: *Chrysanthemum x morifolium*
Varietal Denomination: **CIDZ0097**
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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.
- (21) Appl. No.: **16/501,515**
- (22) Filed: **Apr. 22, 2019**
- (51) **Int. Cl.**
A01H 5/02 (2018.01)
A01H 6/14 (2018.01)
- (52) **U.S. Cl.**
USPC **Plt./295**

CPC *A01H 6/14* (2018.05)
 (58) **Field of Classification Search**
 USPC Plt./295
 CPC *A01H 5/02*
 See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

GTITM UPOVROM Plant Variety Database Citation for 'Cidz0097'
as per CA PBR 19-9905; Aug. 1, 2019; 1 page.*

* cited by examiner

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(57) **ABSTRACT**

A new *Chrysanthemum* plant named 'CIDZ0097' particu-
larly distinguished by its medium size golden yellow daisy-
type inflorescences, strong and uniform plant habit, and a
flowering response time of 8 weeks.

1 Drawing Sheet

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Latin name of the genus and species of the plant claimed:
Chrysanthemum x morifolium.
Varietal denomination: 'CIDZ0097'.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new *Chrysanthemum*,
botanically known as *Chrysanthemum x morifolium*, and
hereinafter referred to by the variety name 'CIDZ0097'.

'CIDZ0097' is a product of a planned breeding program.
The new cultivar has medium size golden yellow daisy-type
inflorescences, strong and uniform plant habit, and a flow-
ering response time of 8 weeks.

'CIDZ0097' originated as a natural whole plant mutation
discovered among flowering plants of 'C0036' growing in a
greenhouse in Gilroy, Calif. in November 2015. The parent
is the proprietary plant designated as 'C0036', having darker
bronze inflorescences, while it's similar to 'CIDZ0097' in all
other characteristics.

The first act of asexual reproduction of 'CIDZ0097' was
accomplished when vegetative cuttings were propagated
from the initial selection in February 2016 in Gilroy, Calif.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings
of the plant initiated in February 2016, and continuing
thereafter, has demonstrated that the combination of char-
acteristics as herein disclosed for 'CIDZ0097' are firmly
fixed and are retained through successive generations of
asexual reproduction.

'CIDZ0097' has not been observed under all possible
environmental conditions. The phenotype may vary signifi-

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cantly with variations in environment such as temperature,
light intensity and day length.

'CIDZ0097' has not been made publicly available prior to
the effective filing date of this application, notwithstanding
any disclosure that may have been made less than one year
prior to the effective filing date of this application by the
inventor or another who obtained 'CIDZ0097' directly from
the inventor.

The following traits have been repeatedly observed and
are determined to be basic characteristics of the new variety.
The combination of these characteristics distinguishes this
Chrysanthemum as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawings show typical
flower and foliage characteristics of 'CIDZ0097' with colors
being as true as possible with an illustration of this type.

The photographic drawings shows in FIG. 1 a close-up
view plant of an inflorescence, and in FIG. 2 a flowering
plant of the new variety.

DETAILED BOTANICAL DESCRIPTION

The plant descriptions and measurements were taken
indoors in Gilroy, Calif. in March 2019 on about 11 week old
plants. Unrooted cuttings had been planted, 4 plants per pot,
in 6 inch pots on Dec. 27, 2018. The plants were pinched and
moved to short days on Jan. 16, 2019 to induce flowering.

The aforementioned photographs: FIGS. 1 and 2 were
taken in Gilroy, Calif. in March 2019, and showing a plant
from a trial, in which flowering had been induced by
applying black cloth.

These plants were about 11 weeks of age. Unrooted cuttings had been planted, 4 plants per pot, in 6 inch pots. The plants were pinched and moved to short days to induce flowering.

Color references are made to The Royal Horticultural Society Colour Chart (RHS) 2001.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIDZ0097' AND A MOST SIMILAR VARIETY:		
	'CIDZ0097'	'Yochesapeake' (U.S. Plant Pat. No. 12,535)
Plant height:	Shorter	Taller
Flower response:	8 weeks	8.5 weeks
Flower color:	Gold	Yellow gold

Plant:

Form, growth and habit.—Herbaceous pot-type, stems upright, freely branching, strong and moderately vigorous growth habit.

Plant height.—18.0-20.0 cm.

Plant height (inflorescence included).—23.0-25.0 cm.

Plant width.—32.0-35.0 cm.

Roots:

Number of days to initiate roots.—4 days at about 22 degrees C.

Number of days to produce a rooted cutting.—10-12 days at 22 degrees C.

Type.—Fine, fibrous, free branching.

Color.—RHS N155B but whiter.

Foliage:

Arrangement.—Alternate.

Immature, leaf color, upper surface.—Closest to RHS 137B.

Lower surface.—RHS 137D.

Mature, leaf color, upper surface.—Between RHS 137A and RHS 139A.

Lower surface.—RHS 138A.

Length.—5.8-7.6 cm.

Width.—5.0-6.4 cm.

Shape.—Ovate.

Base shape.—Attenuate.

Apex shape.—Obtuse.

Margin.—Palmately lobed; irregularly incised, somewhat serrate.

Texture, upper surface.—Bifid T-shaped hairs.

Lower surface.—Bifid T-shaped hairs.

Color of veins, upper surface.—RHS 138B.

Color of veins, lower surface.—RHS 138C.

Pattern of veining.—Palmate.

Petiole color.—RHS 137A.

Length.—2.5-3.4 cm.

Diameter.—0.3-0.4 cm.

Texture.—Bifid T-shaped hairs.

Stem:

Quantity of main branches per plant.—4-5.

Color of stem.—RHS 139C.

Length of stem.—11.5-14.0 cm.

Diameter.—0.4-0.5 cm.

Length of internodes.—0.6-1.4 cm.

Texture.—Bifid T-shaped hairs.

Color of peduncle.—RHS 139C.

Length of peduncle.—3.5-5.8 cm.

Peduncle diameter.—0.2-0.3 cm.

Texture.—Bifid T-shaped hairs.

Inflorescence:

Type.—Compositae type, solitary daisy-type inflorescences borne terminally above foliage, ray florets arranged acropetally on a capitulum.

Quantity of short days to flowering (response time).—8 weeks.

Natural season flowering.—Not determined on this variety.

Quantity of inflorescences per plant.—54-60.

Lastingness of individual blooms on the plant.—4 weeks.

Fragrance.—Slightly spicy.

Bud (just when opening/showing color):

Color.—Closest to RHS 162A.

Length.—1.7-2.2 cm.

Width.—1.5 cm.

Shape.—Oblate.

Immature inflorescence:

Diameter.—8.0 cm.

Color of ray florets, upper surface.—RHS 13B.

Lower surface.—RHS 11A.

Mature inflorescence:

Diameter.—8.5-10.0 cm.

Depth.—2.5-3.0 cm.

Total diameter of disc.—1.8-2.0 cm.

Receptacle color.—RHS 142C.

Receptacle height.—0.4 cm.

Receptacle diameter.—0.6 -0.7 cm.

Ray florets:

Average quantity of florets.—24-27.

Color of florets, upper surface.—RHS 9B.

Lower surface.—RHS 5C.

Length.—4.1-4.8 cm.

Width.—1.2-1.7 cm.

Shape.—Elliptical.

Apex shape.—Mucronate.

Margin.—Entire.

Texture, upper surface.—Papillose.

Lower surface.—Papillose.

Disc florets:

Average quantity of florets.—155-168.

Color of florets.—RHS 12A apex; RHS 144B basal.

Length.—0.4-0.6 cm.

Width.—0.15-0.3 cm when open.

Shape.—Tubular, elongated.

Apex shape.—Acute, 5 pointed.

Phyllaries:

Quantity.—20-24.

Color, upper surface.—RHS 137C.

Lower surface.—RHS 137A.

Length.—0.7-1.0 cm.

Width.—0.2-0.3 cm.

Shape.—Lanceolate.

Apex shape.—Acute.

Base.—Fused.

Margins.—Entire; slightly papery.

Texture, upper surface.—Glabrous.

Lower surface.—Bifid T-shaped hairs.

Reproductive organs:

Pistil.—1, found on both types of florets.

Length.—0.6 cm.

Style color.—RHS 155C.

Style length.—0.45 cm.

Stigma color.—RHS 17C.

Stigma shape.—Bi-parted.

Ovary color.—RHS 155C but more translucent.
Stamens.—4, found on only on the disc florets.
Color of filaments.—RHS 155C.
Length filaments.—0.4-0.5 cm.
Anther color.—RHS 15A.
Anther length.—0.15 cm.
Anther shape.—Oval.
Color of pollen.—RHS 17B.

Fertility/seed set.—Has not been observed to date.
Disease/pest resistance.—Has not been observed to date.

What is claimed is:

- 5 1. A new and distinct variety of *Chrysanthemum* plant named 'CIDZ0097' substantially as illustrated and described herein.

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FIG. 1



FIG. 2